Higher Education SUPPLEMENT

Cardiff principal vindicated

The council of University College, Cardiff, tells week accepted the report of an independent inquiry into recent approintments at the college as a "complete vindication" of the principal, Dr C. W. Beyon, and the administration.

The inquiry, chaired by Mr H. E. Francis QC, was set up following the recent discovery by students of

a dossier of letters concerning the appaintment of two lecturers.

These showed that both teachers concerned, Professor A. T. Mathieson, who has been appointed direc-tor of the school of home economics, and Professor John Beetlestone, who has been appointed to the chair in has been appointed by the principal before the advertisements for the posts appeared.

Mr Francis concluded after an examination of 40 winnesses that

both lecturers were appointed by proper and thorough selection pro-cedures. He dismissed any notion of a "West African connection", suggested in the student union news-paper, which implied that several members of the college staff had been appointed not on their merits but because of links with universi-Niceria where Dr Bevon

escertain and consider the facts, it is as clear as a pikestaff that the instantations conveyed by a West African connection . . . are baseless", Mr Francis said. "The whole thing, in my view, is nothing less than a thoroughly discreditable exercise in sensationalism and de-

On Professor Mathieson's appointment he concluded: "I have to say that I can see no substance whatsoever in the criticisms that have been made."

Dillon's sold

£650,000

for

helieve Professor Beetlestone can take up his challenging new appointment at Cardiff in full confidence that he was chosen for the post on merit by a selection tommittee of men of integrity who had the interests of the college at heart and had adjudged him to be the best man for the job."

As for the dessier of letters, Mr Francis confirmed, for instance, that Professor Beetlestone was invited by the principal to chose two members of his own selection punch, Mr Gray said. But he justified this on the grounds that Professor, Beetlestone was an overseas condidate.

"This is a principle which is quite unknown. If it is accepted to the principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch, Mr Gray said. But he principal to chose two members of his own selection punch he principal to chose two members of his own selection punch. It is a complete the principal to chose two members of his own selection punch. The principal to chose two members of his own selection punch he principal to chose two members of his own selection punch he principal to chose two members of his ow

As for the dossier of letters, Mr Francis said that not unnaturally these had caused a great deal of concern in the minds of some, even those who readily acknowledged the high qualities of the principal. But he concluded: "Being private letters, passing between friends and characters position in a casual man therefore written in a casual man-ner, it is very easy to exaggerate

teir importance."

He strongly attacks the way the letters came to light, saying that they only became public because of the "most disgraceful conduct by a small group of students, aided and aberted by certain organs of the press", which "unfortunately did not see fit to act responsibly in the matter as news...

The majority of the council passed a motion endorsing these conclusions, expressing their confidence in the principal and paying tribute to "the outstanding contribution" he had made over the last majority of the council

docade.

The whole council agreed a motion accepting that the professors were properly appointed and welcoming them to the college.

The report did not pass without criticism, however. Mr Phil Gray, president of the students' union, said it welcomed the publication of the report and it found most of the factual statements made by students about the contents of the

appointment, he commented: "I that the conclusions were mistaken, believe Professor Beetlestone can Mr Francis confirmed, for

quite unknown. If it is accepted by the University of Wales, then

by the University of Wales, then' it needs to be changed rupidly because it gives a grossly unfair advantage to one condidure."

Giving another example, Mr Gray said students had alleged that the job description had ben written for Professor Beetlestane. Dr Bevan wrote in a letter: "This is, as you know, made for you and I shall in fact be reluctant to advertise unless you are interested."

Mr Gray said that Mr Francis's interpretation of that statement was that the chair was one for which the professor was ideally fitted, and that Dr Bevan was reluctant to advertise the chair unless he could be stated by the chair unless the chair unless he could be stated by the chair unless the chair unless he could be stated by the chair unless he chair

would apply.

The students also objected to the way one of them was singled our for criticism in the report after Mr Francis had said that tevidence was given in confidence and names muld not be revealed.

have the a medical school, but since then the university has "achieved expansion in postgraduate and medi-cal research areas which will enable it quickly and relatively inexpensively to incorporate undergraduate teaching in the basic medical scionces as soon as the opportunity offers. The Arnott report outlines a

teaching hospital, and the report says it is still more suitable today.

"Pursighted planning has produced some outstanding facilities which are ripe for explaination for

The medical school itself would be

split between a new medical sciences building at Keele University and clinical facilities at the Hospital

Centre. The committee proposes an initial intake of 35 medical students

as soon as 1979, building up to a maximum of 120 a year by the mid-

recognized

modern integrated curriculum for the proposed school. Formul teach-ing would be limited to 20 hours per week, to foster in the student

Universities in trouble on pay

The AUT wanted to know the exact conditions for rectifying the anomaly, and depending on the anomaly, and depending on the Government's response, would formulate its cost of living pay claim for October. It had been agraed at the annual conference that a further phase of the pay policy would not be supported unless the anomaly was settled. This would mean pay rises of between 15 and 25 per cent, before cost-of-living increases. deading.

Particular attention is best
to the wording of the contact
chause defining general from
the original designs. creases.

The AUT also wanted to know the meaning of the 10 per cent limit; whicher this applied to the total safety bill, or to individuals, and whether accounts was to be taken wide in scope of the fact that applies in the total wide in scope

an inquisitive, problemsaling artifude to his new responsibility and experiences by reading, and preparation, tutorial discussing project work and all similar actions and the propagation professions. campaign to persuade the Coveru-ment to establish a new medical school in North Staffordshire as soan as possible.

Its main weapon is a report preties which encourage participate

Keele launches campaign for

Staffordshire medical school

The study of man in his entired ment would form an important the fireyer course, beginning with koma psychology and behavioural scient in the initial years and subsequent being incorporated into claim teaching through the collaboration of specialists in community, environmental and massing pared over the past two years by pared over the past two years by a joint committee of Birmirgham and Keele universities and the lacal health authorities, under Sir Melville Arnott, which estimates that the medical school could be set up for £10,700,000 at 1975 prices (around £14m today) or a fifth of the cost of Nortinghum's new medical faculty.

Ten years not the Todd Commission recognized the North Staffordenvironmental

The Potteries conurbation to the second seco sion recognized the North Stafford-shire Hospital Centre three miles from Keele as "outstandingly suitable" for development into a sents a large and rich some a clinical material which is theily untapped for undergraduae tech ing, the report says, its remarkly, stable population and high degree of industrialization make he are admirably spited for epideois logical investigations. undergraduate teaching. The quality and distinction of the Hos-phal Centre consultant staff, num-bering 94 in 28 specialties, is widely

The report has already been to cussed informally with the list versity Grants Committee ad Department of Health and Soi! Security, with encouraging task according to a university spleaman. On Wednesday, 12 weg as lands MPs mer the Join comis to discuss the best ways of page ing the project. A meeting a ministerial level may follow.

The Government was charged this week with employing political and not educational criteria in determining the future of Weish toacher education when it upheld its decision to end training at the Polytechia wo Wales. ministerial level may follow.

Keele will need all the helping get if the proposals are to stadis chance of being accepted by near future. Not only are helpo cial prospects bleak, but though profession is swinging markly view that Britain may soot by dueing too many doctor-withe Government does decided up a new medical school, along correctives such as Hull, Rendard Scenege, will be in the houte. The Todd Commission felt Keele was not sufficiently strong in the biological sciences to be a suitable the polytechnic, said "I am absolutely disgusted that the Government has refused to change its mind about ending teacher training at the Polytechnic. This is a straight poli-ical decision." Swarren will be in the had to

A university spokesmu side idea was not to add ambe for medical students to the technical A university spokesman side and decision."

idea was not to add anaber is the Oakes, Minister for Higher medical students to the 103248 Reaction, announced in the House of Commons on Tuesday that toustinke target of 4,100 per year of Commons on Tuesday that toustinke early 1980s. Keele would use the training would continue at the training would continue at the panel of the polytechnic, a relaxation of the polytechnic, a relaxation of the Government's proposal in January that teacher training should couse at both institutions.

Plans for control

Plans for control of genetic

consultation and Safety (or the Hangar Safety for the Safety for t

s the polytechnic's suc-nting diversified courses,

" Dr D. W. F. James, director of

t both institutions.

Dr James said the decision was a reflection of the Government's desire not to rock the boat and was sonected with a control of the con

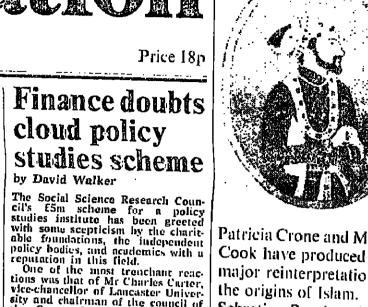
July 29, 1977. No. 301

university had also been invaluable. If the college had closed Swansen would have been the only collegiats faculty of education which was not linked to a college.

Higher Education

cloud policy

by David Walker



Contents

Islamic history

Cook have produced a major reinterpretation of the origins of Islam. Sebastian Brock reviews their book, Hagarism: the making of the Islamic World.

tions was that of Mr Charles Carter, vice-chancellor of Lancaster University and chairman of the council of the Centre for Studies in Social Policy, which is supported by the Rowntree Memorial Trust. He said Rowntree money would almost certainly not be available for the SSRC and regretted it had chosen to go it alone without adequate consultation with those already doing policy studies.

It is unlikely that money on the scale needed would be forthcoming from foundations such as Leverhulme or Nuffield. Leverhulme carely makes grants larger than £100,000 even over several years and the trustees of Nuffield "would take a lot of convincing" that a new foundation would be better than building on the existing policy studies centres, according to one source.

studies centres, according to one source.

Members of the SSRC have been told that the Ford Foundation has firm available for policy studies work, but it is thought it would prefer to invest in a hody with a Europe-wide ambit rather than a British domestic institution.

Mr John Pinder, director of Political and Economic Planning, the independent social and economic research institute, spoke for

There were, however, still prob-lems to be faced. Even with 300 initial teacher training students the college would still be overstuffed. London Bill goes on cliffhanger threat

London University's private Bill was saved at the eleventh hour this week after the National Union of Public Employees threatened to kill it and so end its passage through

it and so end its passage through Parliament.

After an emergency meeting on Monday evening between Dr Frank Hartley, the vice-chancellor, and NUPE representatives about the union's wish for consultation, the union's wish for consultation, the carried over to the next session of carried over to the next session of Parliament.

Parliament.
The threat arose last week when the Bill came up to be considered for deferment to the next parliamentary session. Instead of going through parallel as a superted, two Mrs. Mr. Tom Pendry (Lab, Scalybridge and Hyde), a NUPL-sponsored MP, and Dr Oonagh McDonald (Lab, Thurrock), raised an objection.

Celemitary protestive comparisons with microsity and including traditional with microsity would be broaded including traditional with microsity would be broaded including traditional with the continuous proposed in a patient with the continuous proposed in the continuous proposed in a patient with the continuous proposed in the

Patricia Crone and Michael

Press standards

Sam Finer discusses the issues in the recent report of the Royal Commission on the Press.

Merger veterans

Sheffield Polytechnic is to absorb yet another former college of education, Judith Judd reports, 7

Television politics

Geoffrey Woodcock reviews a new Open University study of TV coverage of elections, 8

German universities

Radical proposals are coming from a working party on long-term educational strategy. writes Günther Kloss, 11

Sir James Lighthill suggests

r	On the other hand	5
	Noticeboard	6
ı.	North American news	10
	Overseas news	11
0 -	Letters	5, 12
1	Books	14 18
e	Clussified index	19

Royal Society urged to take hard line on Soviet scientists

The Institute of Physics has urged the Royal Society to take a much London University has sold its book-shop, Dillon's, to Pentos Publishing and Bookselling Group Ltd for future.

A university spokesman said this week that "although the shop's trading position was favourable, the

done unless the Soviet authorities mend their ways.

"In this very serious issue the detached public stance of the Royal university became increasingly conof its servicus would require addi-tional investment, which is was un-able to provide.

The absence of such capital Society and his counterparts in most other western countries has not been creditable and has distressed many who believe that scientists have a dety, no less than other groups, to use any privilege of position howourably for the pusuit of trath and the relief of suffering", the council of the institute states in a memorandum sent to Lord Todd, President of the Royal Society, last September and published in the current issue of the institute's Physics Bulletin.

The Royal Society should ask the ociety and its counterparts in most would have prejudiced not only the future service of the bookshop to staff and students, but also the employment prospects of the staff, he said. Dillon's University Bookshop, which the university has owned since 1956, occupies a familiar cor-

oer of Torrington Square, Blooms-bury, at the heart of the university's precincis. For years it has been a haunt of staff and students not only from London but from The Royal Society should ask the Soviet authorities to explain why certain named scientists should not be reinstated in their jobs or allowed to emigrate with their standing, they niversities throughout the country. Together with its branches in miversities throughout the country.
Together with its branches in Notringham, Canterbury and Cambridge, its sales were some film a lowed to emigrate with their standing, they have no opportunity to urge their families, the memorandum says. Failing an acceptable reason, confined problems, which is a linear green continued processes. Moreover, such throughout the managed to subside agreement.

the Institute of Physics has urged the Royal Society to take a much harder line over Soviet repression of dissident selentists, and to put an end to scientific exchanges between Russia and the United Kingdom unless the Soviet authorities of value to lose thereby."

The council appreclated the rist of scientific setbacks arising from the suspension of personal scientific intercourse between the countries, Sir Brian wrote, bur "consider the risk to be worthwhile if, as a result, the Soviet authorities are induced don, or at least to mitigate, their obnoxious practices".

The Royal Society has refrained from public action, despite appeals from many quarters, preferring to mulntulu and extend contacts between scientists in the two countries and use these to exert quiet pressure on behalf of dissipants.

Pontos Publishing, which is no semilated the standard control of the value of the semilated the standard control of the value of the semilated the series are related to the semilated the series are related to the semilated to the semilated the series and common was with wage rates, and common with water that semilate responsibility to publishers and believe products, the memorandum was account and feliure products the memorandum was account of the semilated the semilation was account and semilated the semilation was account and semilated the semilation was account and the semilation was accounted the semilation was semilated to semilate the semilation was accounted the semilation was accounted to the semilation was accou

Credit transfer centre to be studied

DES accused in reshuffle of

The polytechnic's standards could

The polytechnic's standards could not be used as a reason for the decision. In September it attracted the largest number of students with two A levels of any college in Wales. Its BEd received CNAA validation at the first attempt and it had just received permission to run a REd honours degree, Dr James said.

The polytechnic will be making a vigorous protest to the DES and Mr Nell Kinnock, MP for Bedwelty,

has offered his support.

The amger at the polytechnic was matched by the rejoicing at the West Glamorgan Institute of Higher Education, which has been allocated 300 places as a result of consultations which have taken place since January.

Polytechnic of Wales Mi Nii
Gwent College of Higher
Education 450 500 to shirt Glamorgan In-

nu<u>s</u> offered his support.

Welsh teacher training

THE TIMES

SUPPLEMENT

of teacher training would throw the jobs of a significant number of staff into question.

"Mr Oakes admitted at our meeting that we fulfilled all the subset."

Mr Ilywel Rees, the assistant principal, felt the college's in-service strength had helped to save it.

"We supply 42 per cent of all inservice training in Wales." Another than the college in the same fulfilled all the subset.

ing that we fulfilled all the criteria laid down by the Advisory Committee for the Supply and Training of Teachers. We would like an explanation of this decision. We have a right to know."

The naturalist of know."

we supply 42 per cent of all inservice training in Wales," Another factor was flourishing business and technical sections well-equipped to carry out the Government's policy of bringing teachers closer to industry.

The total number of places in Wales in 1981 will be 2,900, 50 more than originally proposed. The revised total number of teacher



lifts solar

by Clive Cookson

energy cloud

Wave power is the allent energy source likely to make the biggest impact in Britain, with

shine in second place, the Grant believes.

An assessment of the te-potential of the various besign newable energy sources usp-by the Parliamentary Under k tary of State for Energy, Mrt Faulie, when he opened a k international conference of building technology in London week.

He told 280 delegates for countries at the conference to nized by Unesco and florth E. London Polytechnic) for the Greenment had already omate, nearly £10m to research at he had been for energy was at the content for

them for energy surs see than forsil and nuclear had was looking at all possile diagram the twenty first century say.

vaves, tides and geothernals,

Studies so for indicate twaves were the most amount of the the most amount of the following suitable devices off Montal Britain could provide enough tricity to meet half the man the following the fo

current requirements, Mr L^h said. They could be workingly!

(2,500,000 programme to beli possible floating devices Akt contender, the "Saker dad'il yeared by Mr Stephen Shail

Edinburgh University, will kn our on Loch Ness in the 82

Wave power Academic bias is 'cause

the scademic bias of Britain's edu-

cational system—particularly its

universities—is a major reason for the poor quality of British manage-

ment compared to overseas compe-

titors, according to a Government

discussion document Industry, Edu-

The paper was published this

week by the Department of Indus-

try and signed by the Education

secretary, Mrs. Williams, as well as the Secretary for Industry, Mr Bric Varley, It Identifies four main obstocles to be overcome before the effectiveness of existing managers and more which

cation and Management.

introduction states.

лоп**е** is new.

by Clive Cookson

Green Paper gets a mixed reception

The National Association of Teachers in Further and Higher Education deployed site fact that four-year teacher training courses for all had been rejected.

"Our calculation is that the real cost of this provision by 1981 would cannut to less than 14m a year, which does not take into account the compensatory costs of unemployed teachers and teacher trainces", the essecution's president, Mr Francis Cammaerts, said

The statement welcomed suggestions for improved standards of admission to the profession, and agreed that all teachers should have the chance to appreciate the importance of industry and commerce.

are of intustry and commerce.

It doubted, however, which or
"work experience" during initial
training would be valuable and
noted that cutbacks in teacher
education had led to the closure
of a number of colleges, such as
Chorley and Sidney Webb, which
recruited mature students with
experience outside feaching.

Mr. Commonter said chafflening

Mr Cummaerts sold clarification would be needed of the proposals for centres of scholarship and pro-

"This should certainly not mean that the training of primary and secondary teachers should be in separate institutions."

Non-would the association want a revival of subject specialization or wing colleges. But if the proposal

The future of the unit, which is staffed and funded by the MRC, was in some doubt because of its accommodation. Since 1970, whom

was set up at Sussex, it has been housed in temporary accommodu-tion which is not expected to last beyond 1980.

Other universities have been considered as possible sites for the centre, as Sussex was unable to commit itself to new buildings.

But the university has been reluc-

tant to lose the unit, and Sir Denys Wilkinson, the vice chancellor, in particular, has been pressing for it to remain. One reason is thought to be his long-torm plans for the university as a site for a medical school.

The unit, with an annual budget of £100,000, hus 13 staff (four scien-

Sussex keeps

MRC unit

The Covernment's Green Paper, Education in Schools, had a mixed reception this week.

number of teachers receiving in-service training from 4,500 to 18,500 by 1981, was better than expected, Mr Cammaerts said.

But to active this the number of teachers on full-time in-service should double in the next 12 months, and there was little indica-tion that this would be the case.

At a press conference to launch the Green Paper, Mrs Shirley Williams, Secretary of State for Education, was asked the Govern-ment's view on the merits of the two-plus-two training pattern compared with three-plus-one.

She said it had not been thought appropriate to deaf with this in the Green Paper. "What we are looking at moinly at the moment is the three-plus-age pattern." The Covernment had no view on the pattern of realizing

The Council of Local Education Authorities has welcomed the paper and pledged its cooperation over problems of curriculum, standards

Alr Norman St John-Stevas Opposition spokesman on educa-tion, said Mrs Williams and sidestepped some of the most vital and controversid is sues in education. The Opposition was dismayed by the lack of positive proposals to improve the education service.

The Association of Polytechnic feathers described the Green honest job, honestly

Swansea funds

The college is building a sports half, plaining a spew arts conre, and has a programme for increasing student residences, "These enterprises are largely financed from our own resources, particularly from the development appeal of about 15 years ago."

Emphasizing the seriousness of higher education's financial position, he said that the college's grams but fallen steadily in purchasing value and next session would

The position had been made worse

It was becoming increasingly hard for the college to remain in a financially sound position. It did not want redundancies, but in the last two sessions it had been forced to leave many staff vacancies unfilled.

Manchester Newe'le-upon-Tyne New'le-upon-Tyne North Staffs Oxford Plymouth two sessions it had been forced to leave many staff vacancies unfilled.

he worse than the present one.

new building

The Medical Research Council has agreed that its Cell Muration Unit should remain on the campus at Sussex University after a pledge by the university to hold new housing for it worth 190,000.



Mrs Williams, Secretary of State for Education and Science, whose Green Paper, Education In Schools, was published last week, visited several research establish-ments in Edinburgh and Glasgow on Monday.

After visiting the MRC's reproductive biology unit at the Simpson Memorial Maternity Pavilion, Edinburgh, she went on to Glas-

gow University's hydrodynamics laboratory, and to Strathelyde University where she was shown research on pipe buckling and films of the university's marine technology activities.

Mes Williams is pictured with Professor Roger Short, director of MRC's reproductive biology unit (left) and Mr. J. G. Duncan, administrative secretary of the MRC at Abden House, Edinburgh.

Polytechnics give number of full and part-time students

1,139 2,763 1,255 2,039

Middlesex

North East London 3,906 Central London 3,718 North Landon 4,078

Parliamentary staff

The number of full-time and parttime students at each polytechnic last November was announced in the House of Commons this week. Mr Oakes, Minister of State for Higher Education, was answering a bees of part-tim question from Mr Bruce Grocott, the labour MP for Lichticid and Tum-

Mr Grocott wanted to know the ratio of full-time to part-time courses in each polytechnic. These visional figures for the numbers of students by made of attendance, together with the ratios of numbers of full-time and sandwich courses students to the total num-bers of part-time students, was pro-

	follows:			' While wave end vide our largest p
Part-tim day	e livening anly	Total	Ratio full-time and sandwich to total part-time	among the renewable would appear to off tribution and may we to have a substantial victing low grade he went on. "The
3,643	1.767	- 10.129 5.041	0.9:1	Energy bas establi foor-year program
1,739			2.0 : 1	energy research an
2,763	933	8,042	1.2 : 1	In inging total Gover
1,255	162	3,928	1.8 ; 1	to around L6m.
2 41 161	1541			

3.0 : 1 1.3 : 1

0.5:1 2.4:1

1.6 : 1 1.5 : 1 1.2 : 1 "The total salar energy is in the United Kingdom amoust it intes the country's presention for primary energy. On ask over the year this lopu is slightly lower than that for trains, built or the south with the late of the l

the United States.
"However variations du year are large, and our densal energy peaks in the wheet fat the amount of sunlight we re-is limited, so the use of feat devices to concentrate solar relation, built water, and bence special hours are suspended large power production system but attractive in the United lie by Stephen Colors

recommendations. The rechnology recommendations. The rechnology many uses of solar energy in his ings was heing discussed; and heating, space heating end of swimming nool heating, finding by distillation, of recycling by distillation, of refrigeration, clubes drain, it initity production and greeners.

the state of the Minu, regional secretary was first the National Association of state of the National Association of state of the National Association of state of the National Association of the State of the National Association of the National Associati

Staff College at Coombe Lodge, also funded by the local authorities, was reported recently.

The LGTB had asked for more than £2m for next year to maintain their level of services and to ensure the participation of local authorities in some of the special schemes being the report says.

The LGTB had asked for more than £2m for next year to maintain their level of services and to ensure the participation of local authorities in some of the special schemes being the report says.

The LGTB had asked for more than £2m for next year to maintain their level of services and to ensure the participation of local authorities in some of the special schemes being the report says.

the light for water and space besides the large of the light for water and space besides the large of the lar the centre, had been following a the teachers were expected to be in front of students have proved to be too much for the lecturers. Much of their time is spent on making students and visiting them at home. The centre wants them to support and counselling.

A to the centre had been following a the teachers were expected to be in front of students have proved to be individing up to the value of the amounts designated for them in the programme. The DES is to discuss with local authorities the choice of individual projects in both advanced and non-advanced further education.

The centre, but the extra four hours buildings up to the value of the amounts designated for them in the programme. The DES is to discuss with local authorities may start new buildings up to the value of the amounts designated for them in the programme. The DES is to discuss with local authorities the choice of individual projects in both advanced and non-advanced further education.

A to the centre had been following a the teachers were expected to be in front of students have proved to be too much for the lecturers. When the centre water the course with local authorities may start new buildings up to the value of the amounts designated for them in the programme. The DES is to discuss with local authorities the choice of individual projects in both advanced and non-advanced further education.

"Colleges are allowed a smal percentage of remission time", the spokesman said. "But if the two lecturers get as much as they want, | Essex University is to set up a play-

of poor management' says, whereas continental society distinguishes a third technical culture. As a result, pure science has a higher status than applied, and academic work a higher status than

"The general innves of our society have favoured the amateur tradition", it goes on. "Compared with other countries our industry has tended to rely more on prag-matism and rule of thumb than on formal training and specialist know-

"Luck of interest by the universities in vocational aspects has led to the proliferation of professional groups as qualifying bodies outside the university system on a scale not experienced else-where (and often fragmented within the area they seek to cover)."

effectiveness of existing managers can be improved and more ablo people attracted to manufacturing industry; the poor image of industry, inadequate recruitment and career development policies in industry, the relative lack of incentives to accept the risks of an The document finds "the poor quality of university engineering students especially worrying". Between 1973 and 1975, 42 per cent of British university entrants in moustry, the relative tack of incen-tives to accept the risks of an industrial exteer, and the unsym-pathetic attitude of educational engineering and technology had A levels worse than three Cs. (com-pared to 34 per cent in science, 26 in medicine and 24 in social "At the heart of our poor economic performance is the fuer that the productivity of both capital and labour in British industry as a whole is far below that of our major industrial competitors", the technologism states

But there is a kind word plout polytechnic graduates with CNAA degrees. "Some employers con-sider that they tend to adjust particularly well to a career in indu

The 80-page document analyses in some detail the reasons why Bri-At the press conference to launch the document Mr Les Huckfield, the junior industry minister, said action to improve relations between education and industry would be concentrated on the local level. in some detail the reasons why Bri-pain does not have the managers to make better use of the country's resources. It emphasizes the need for improved communications be-tween industry and education at all levels, and mentions many ways in which this might be done, though

"In September I am holding the first of my conferences which are specially designed to bring together those already active in schemes for industry/education links and others Two vicious circles need to be broken. First, social attitudes to-wards industry are less favourable in Britain than abroad and are rewho might play a greater part. I am hoping that the outcome will be the creation of a better mechanism for exchanging both people and ideas between industry and educaflected in our educational system.

These stitudes are reinforced by
the country's poor manufacturing
performance.

The Association of University Teachers will make two main points in response to the document, general secretary Mr Laurio Supper said; universities' contribution to industry has been underestimated, and ludustry "with a few honourable exceptions" is not taking advantage of university work and facilities.

£40m building programme £40m building programme for

extra further education places, the money takes into account the projected increase in student numbers in further and higher education to 560,000 by 1980/81.

Playgroup at Essex



Another £7m for TV rental tycoon's college

by Judith Judd

This will be used primarily to attract undergraduates and research workers of outstanding ability from outside the United Kingdom. It will be different former television rental tycoon and racchorse owner. This is designed to offset inflation and follows the £10m which he gave the college that the E17m total would enable the trustees to realize Mr Robinson's purpose—"to establish four years ago.

This will be used primarily to attract undergraduates and research work with the architects on a detailed design.

Building work began in May and is expected to be complete in three years' time. Already 14 academic staff have been appointed and the first postgraduates will start work floor years ago.

been given mother 17m by its founder, Mr David Robinson, the former television rental tycoon and racchorse owner. This is designed to offset inflation and follows the £10m which he gave the college four years ago.

It will also allow the college to be built and landscaped to the built and landscaped to the highest standords and will ensure that it can uttract the best scholars.

Professor Jack Lewis, the college's warden, said this week that he helieved the most exciting aspect of the gift was the £1m which has been set aside for scholarships, studentships and fellowships.

After he sold his television remal business he turned to horse rucing. He bought Kempton Park and sold it to the Horseruce Betting Levy

Concern at student exclusion clause in Race Act

A £40m building programme for further and higher education in 1978/79 was announced this week by Mc Oakes, Minister of State for Higher Education.

This figure includes £9m for control of thoir numbers were expressed this week.

A Expressed this week.

**A Expressed this week.*

universities, subject to discussions with the University Crants Conymittee on future needs; £6m to wards new projects to provide the extra 10,000 places in non-advanced further education; and a large sum to help with the expected increase in school leavers taking non-advanced courses. As well as the extra further education places, the leaven for the control over numbers. The original electular on fees not only kind down a new fee level, but extra further education places, the

Similar concern was expressed by the National Union of Students. Ms. Sue Slipman, the president, worsted lest histitutions would be able to Lender, page 12.

discriminate against sections of its opposed any moves to lower the proportion of oversens students.

Between now and September, Mrs Williams, Secretary of State for Education and Science, is expected to make the necessary order to exclude certain groups from the anti-discrimination provisions of the Race Relations Act 1976 regarding halls of residence, grants, and admission to higher and further

education institutions.

She is concerned that differences

only hid down a new fee level, but asked for local authorities to make a big reduction in their intakes, bringing them in line with 1975-76 earthmeuts."

UKCOSA would be raising the matter at its meeting this week with Mr Oakes, Minister of State for Higher Education, Mr Bristow said. It would also be discussing the level of tuition fees for 1978-79. Similar concern was expressed by Euvironment, Dopartment of Health and Social Security, and the Welst Office.

Institute of institutes' hint by Chatham House

of the independent institutes are preparing a new initiative in policy that a British Brookings' would studies.

He sold: "It is tempting to think that a British Brookings' would solve all the problems. I believe

In line with a recent deputation to Mr Dorck Robinson, chairman of the Social Science Research Council, by the heads of Chatham House, the National Institute for Economic and Social Research, Political and Economic Planning and so on, the independent bodies would seek ald to pool their resources within an "insulture of institutes".

The hint came from the representatives of end of the leading corpo-tatives of end of the leading corpo-than any rate contributors to Charliam House, singly.

Mr Robert Belgrave, a director of British Petroleum (Trading), said some amalgamation of the existing to setting up something now—such as a "British Brookings".

more consistent with our resources and methods of work in this country, to build on the particular skills and the human and financial resources which the existing institutes already possess."

He proposed that they should pool their administration and lib-racies. The unified body would command a much wider audience

F

New journal will review housing policies by David Walker

of £100,000, hus 13 stuff (four scientists and nine technical stuff) under the directorship of Professor B. A. Bridges. It is the only MRC unit concerned solely with research into cell mututation.

A new review of policy in the fields of housing and local government has been kuticked by the Custoe for Environmental Studies with a little help from staff at the London School of Beanomics.

academic journal but a periodical using the best goodenic quelities thoroughness of resourch and academic rigour—in the service of policy makers and commentators. In an iomeduction, Professor the Centre, on secondment from the LSE, says: "Our general aim is to assemble information not readily avnilable in one place elsewhere, present and analyse it in a clear and soful manuer, and monitor both

The review is intended to produce regular forecasts and discussions of trends in local government finance and housing, to monitor policy, and compare the extensions and purious of Whitchall

The review will have an advocacy such as education.

Before they get to the raview's facts and analysis, policy makers will line to wade through criticism of various policies of central and local government. One article maintains that town halls and the Department of the Environment are in calcoots over the number of staff employed in local government, with melitler wanting to reveal all the commencers with its responsibilities? There were plenty of guide explicit for foar of upsetting the status quo.

status quo.

A particular bête noir of the CES staff and contributors to the CES Review is the Rate Support Grant mechanism. Several articles cridicize, the various elements that go into the annual settlement of local authority's, inding and the part of it underwritten by contral govern-ment. Support is given for the extension of specific grants in areas

rule, too. For example, in one article Miss Christine Whitehead, a lecturer in economics at the LSE, urban and Regional Studies in Birmingues that without a subsidy the private remed sector in housing is in danger of disappearing and with the local authority in Birmingham, the chances of houses for poor and asks why the results are disappearing and with the great expenditure of time and money.

was the money there to implement them? In other words, was Bir-mingham, like perhaps other urban authorities, placed in an impossible position?"

LGTB spending cut hits FE courses

Courses for local government workers being held at further education colleges could be his by a 10 per cent cut in the spending of the Local Government Training Board.

The Association of County Councils decided this week to reduce the

A special or or like year by one their cent in the spending of the LGTB in 1978-79, and have asked the LGTB in 1978-79, and have asked the LGTB in 1978-79 in their estimates for the year by one their cent is periodical to the year by one their cent in their estimates for the year by one their cent is reputally to push for cuts call loss are likely to push for cuts is report in the year, despite for the year, despite for the year, despite for the year, despite for the year, and that was the fall as periodicals in the spending of bodies in a similar position to the LGTB. Including a periodical to the National Association of the National Ass

Institute for Adult Education, and the National Foundation for Educational Research.

Anxiety about finance for the future of the Further Education funded by the local authorities, was reported recently.

The LGTB had asked for the that the fine value of the saddents are the caused an increase in cost of the caused for the caused an increase in cost of the caused an increase in the caused an increas

Although the CES subsists on money from the Department of the Environment, the review is to be self-financing.

CES Review, I 53.50 to Institutions, E2 to individuals. From 62 Chandes Place, London WC2.

The LGTB had asked for more than Libraries Board, metallicipation of local authorities in some of the special achieves being run by the Manpower Service. Commission for the young tunemplayed. These could now be at risk.

pared with their foreign counterparts. At the same time our managers, particularly production manners, tend to be less well qualified in academic and vocabilities. Britain luss a two-culture system based on the distinction between the document victoria Street, London SWIII OFT. Lecturers in clash over

Secondly, British industrial mann-

gers and engineers are accorded less status and prestige and lower pay relative to competing jobs, com-

The conference, at the look of Kevin Warner and Ms Gillion Institution of British Architects, Frost, from the adult literacy deduce to finish this weekend with Fartment at the community education of final control of the community education and the communities. The recommendations. The recommendations of color energy in the color weekles.

Mr John Bolton, vice-principal of the centre, will that Mr Warner and Ms Frost had been suspended " with

A ballot of union members at the centre has been held and there is a threat of a work to rule from next September if the dispute is not what projects may be started.

o no one else would get any."

The spokesman said the lecturers were suspended as they were in breach of contract because they decide on how to introduce these with minimum disted to them by the principal.—TES

Polyglotez-vous?

Par example, il commence avec "He is off his chump" et puis mus donne le francuis, l'allemande,

Pespagnol et Pitalien pour ca : "Il

respagning to transfer the perdido in cabeza, Er ist nicht gang bei trost, E' fuori di senno". Il continue

omnie ca pour 681 pages. Hystericle

Per coincidence, je suis polyglot.
Mais, je ne sais pas le français
pour "The only trouble with this
book is that it starts with English
idioms and the foreign languages
generally just explain or translate
them with a few changes; it would
only be comprehensive if it included
Spanish and German expressions for
which there is no ligeral Kaulish

un nex sur une grindstone. Oh comme je ris l Si vous me demandez (entre vous,

The Open University has just con-

pleted a careful study of how to be-come a film starlet. With enviable thoroughness its camerus have been

On the other hand

think about it.

Report points to gaps in area study coverage

by David Walker

Brigish social scientists are showing inadequate interest in East Germany, the Caribbean, French-speaking Africa, and the former Portuguese colonies, an unpublished report has shown.

The Social Science Research Council's area studies panel examined existing taught and research courses for postgraduates focusing on individual countries, regions and on individual countries, regions and continents. In a réport recently completed they have concluded that British social scientists are particularly weak on the Caribbean and Eastern Europe. They also ask why no few area studies graduates find work in business.

Area studies, a relatively new subject, combines pulities, econo-mics and sociology with linguistic and geographical knowledge. The hest-known centres of mea studies include London University's School of African and Oriental Studies, Chasgow University's Institute of Soviet and East European Studies and Birmingham University's Centre of West-African Studies.

of West African Studies.

Despite several injections since 1945 of ear-marked money to concourage interest in such areas as Latin America, the SSRC panel says the field is not flourishing. It complains of lack of employer interest in area studies graduates and of lack of money. It threatens to contract its grants to a small number contract its grants to a small number of centres rather than "continue the struggle" to spread them ever

A number of the panel's recommendations will have internal reper-cussions within the SSRC. For instance, it says that North American and West European studies should no longer be its responsibility—it should concentrate on East Europe, pon-European advanced. non-European advanced countries and the developing world. This could push students wishing to specialize in America, France or Germany to other committees of the SSRC.

The panel itself argues that area study degrees should be "purer" and students should concentrate on a major subject which ought to be the same as their first degree, unless they were linguists. The panel also emphasizes tightening up language requirements.

has been shown in East Germany by stuff or students. French-speak-ing Africa is covered by few special-ists and the former Portuguese ter-"The general stock of knowledge ignored. While centres do cover on the second and third worlds is still unacceptably low. Unless the panel provides the impetus our South-East Asia is relatively weak.

L.e.a.s urged to support teacher exchange systems

The Department of Education and Science has arged local authorities to make the best and most effective use of their services to the greater benefit: of all concerned.

In a memorandum sent this week to local authorities, direct grant and independent schools and institutions of further and higher education, it expresses the hope that i.e.a.s will do everything possible to welcome exchange teachers from oversens and appared to the teachers. and ensure that they see something of the educational system outside the school in which they are work-

On the assistant scheme, which inon the assistant scheme, which involves employing foreign language assistants in British schools, and sending British students and teachers to schools abroad, the DES says that considerable effort was expended by authorities of each country in organizing the scheme.

"It is emphasized most strongly that especially in present circum-stances, i.e.a.s and governing bodies

This declaration of support for the exchange and assistant schemes comes in the wake of concern oxpressed by language teachers that local authorities are cutting the number of school posts which they offer to foreign teachers.

offer to foreign teachers.

The memorandum goes on: "The reception of foreign language assistants in Britain not only gives schools and colleges the advantages of a native speaker but also creates opportunities for British young people to spend the appropriate period abroad necessary for the completion of their language qualifications." It also ensures they make a valuable contribution as teachers of modern languages in this country.

that especially in present circum-stances; i.e.a.s and governing bodies should ensure that schools and col-leges receiving assistants should be fully conversant with the working DES: administrative memorandum 11/77. Exchange and interchange of Teachers and Assistants with Over-seas Countries 1978/79, Elizabeth House, York Road SE1. Developing countries 'could

teach us about oil problems'

about the problems and opportuni-ties of oil by studying the develop-ing world, according to a booklet recently published by the Institute of Development Studies at Suscess

orth Sea oil.

The booklet suggests that a com-The booklet suggests that a comparison could be made between the Scots and the Ibos of West Africa. Oil was an immediate cause of the secessionist movement which led to the 1960s civil war in Nigeria and that country's distory could provide a framework for understanding the Scottish Nationalist Party.

Based on the interdisciplinary MPhil degree course at the IDS, the booklet argues that while Britain is not strictly speaking a "developing courses."

Dundee University.

Dundee University has set up a centre for petroleum and mineral law studies, following £34,000 gifts from charlities.

The existing course in oil and gas law in the department of public law is to be expanded and the centre plants to offer a one-year post-graduate diploma in petroleum law together with short post-experience courses.

not strictly speaking a "developing country" theories from the field of development studies could be applied to British problems.

golden opportunity to reform the industrial basis of West-central Scotland and perhaps of the rest of Great Britain as well.

University which examines whether North Sea Oil: The application of Academic social scientists are being adequately development Theories, E2.50 from prepared to deal with exploiting the Institute of Development Stu- 1975-76

courses.

not strictly speaking a "developing courses.

Country" theories from the field of development studies could be applied to British problems.

With or without such perspectives, however, the Sussex specialists increase its collection of specialist increase its collection of specialist seem doubtful that the best books. One scheme is to provide use will be made in Britain of the revenues now being gas law for scholars, the legal profession, industry and government.

Courses

11,582

7,000

8,090

5,751

Courses

11,582

7,000

8,090

7,245

10,187

90,606

(2)

(2)

(3)

Courses

Courses (Including non-recognized)

Feacher training 7,245

10,187

90,606

(2)

(3)

Courses

11,582

7,000

8,090

5,751

Courses

Courses

Courses

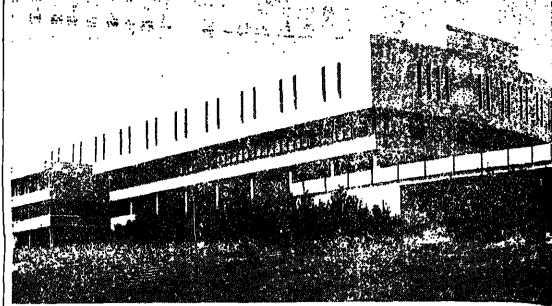
(1),187

90,606

Courses

Cour





Prince Charles opens Welsh library

Prince Charles, chancellor of the University of Wales, opened a new £1m building at things College, Aberystwyth, last week. The building, pictured above, houses the university library ing space for nearly half a million books and periodicals and places for more than 500 reaked the departments of law, philosophy, Romance Studies, German, Swedish and Russian. The Exnamed after Sir Hugh Owen, who raised a large amount of the money needed to found their

Government 'underestimates overseas student numbers?

Government statistics greatly underestimate the number of overseas included East African Asians with students in this country, Mr Ropert Bristow, deputy executive secretary of the United Kingdom Council for Overseas Student Affairs, has said. In a paper on trends and developments in this field between 1971 the residence requirements. In the past three years, Mr Bristow says that among trends worth noting were the size and growth of overseas students in local authority 1974 and 1978, he argues that its figures are based on too narrow a definition: he himself would define an overseas student as anyone who came to Britain to study for more than six months and who Intended to return home.

"Since the statistics are based on the definition outlined in Dep-artment of Education and Science mentorandum 14/67, they clearly represent an underestimate of the total number of overseas students in this broad sense."

this broad sense."

There are many under the age of 19, or who have qualified for home foos by fulfilling the necessary residence requirements, and others who have qualified for local authority awards, who are not counted as overseas students.

At one London polytechnic, he says, it is estimated that for every DICS-defined overseas student, there is another who is classified as a "home" student for one of those reasons.

Mr Bristow's paper is one of a collection from a study conference

collection from a study conference on overseas students in further and higher education, published this week by Coombo Lodge.

The Government's underestimate of numbers was, however, partly off-

Great Britain

Universities

242,431

Degree Courses (first and higher degrees) Ordinary and higher national diplomas

City and Guilds

ther advanced

set by students who were really Government statistics greatly under-included East African Asians with

> overseas students in local authority colleges the predominance of pr vately sponsored students, and those from the developing world, and the relatively small but growing number from the oil-rich countries.
>
> He predicts that in the next year

overall numbers will again increase, but after that, even without limi-tations, they will level out.

The essential changes, however will be in the composition of nationalities within the total: private and government-sponsored dents from the developing world will be priced out, oil-rich students will increase and EEC and North American student numbers remain

He warns that if this trend con-

lost for good."
Coombe Lodge Report: Papers from Study Conference 77/7A
Overseas Students in Futher and Higher Education Volume 10 No. 6 is available from Coombe Lodge, Blagdon, Bristol BS18 6RG. Price £22.

last week.

Mr Oakes, who was answering a £1,960, £1,280, £850 and £699.

All education from Mr Nigel Forman, Mr Forman asked whether the numbers.

England and Wales

53,975

11,564

9,456 152

ments of Further Education

8,939

33,995

50,369

Wardens to the distribution of the control of the c

Counselling is a fringe active a warden in student half de dence, Ms Wyn Branter, ve counsellor at University 04 London, said at Thans

mol et le bedpost) les Anglais sont im peu peculier. Ils get out of bed on the wrong side et teach their grannles to suck eggs et sweep femmes off their feet et give actors a hand et put a sock in it et learn technic inst week.
She told the Standing V
ference of Wurdens and Ref.
Tutors in Polytechnic But the ropes et paint the fown red et get the collywobbles et rub wives to run the hall and to procedent or run the hall and to procedent or procedent of the proce Moi, je suis heureux que je parle françals. Au revoir me vieux coqs. counsellor. Say cheesecake

Sir Alex backs curriculum stud

Studying the school curio far more important to the mity than the advancement science, Sir Alex Smith, chirof the School Council and die of Manchester Polytechnic, mity

Great Britain

19,258

Universities

Maintained Schools

Primary, Middle and Special Secondary

only he between 40,000 and 50,000 overseas students left to benefit from our new North Sea oil would be Schools Council received it amit the fault, us pointed out by the Social Science Research Council and £100m spent sole etter—my assertion is to by the Social Science Research Council and £100m spent sole etter—my assertion is to by the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my assertion is to the Science Research Council and £100m spent sole etter—my a

University tuition costs £2,225 per student The average cost of tuition for a university student in Great Britain was £2,225, Mr Oakes, the Minister of State overseeing higher education, told the House of Commons last week.

Mr Oakes, who was answering a question from Mr Nigel Forman,

Mr Porman asked whether the First and Wald

5,961

24,805 6,887

22,916

Subjection in the formula state of the work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done are the summaries of work being done.

A least as revealing as the summaries of work being done are the summaries of work being done are the summaries.

A least as revealing as the summaries of work being done are the summaries of work being done are the summaries.

A least as revealing as the summaries of work the summaries of work being done are the summaries of work being done.

A least as revealing as the summaries of work being done.

A least as revealing as the summaries of work being done are the summaries of work being done.

A least as revealing as the summaries of work and the Black Pupers, will the summaries of work

The centre's publications give the sydence. The "terms of reference" of the centre were laid down in Professor Hoggart's inaugural lectors. Schools of English and Contemporary Society" (The Use of English Vol XV, No. 2 and 3, Windraws a parallel with another centre was a parallel with a parallel was a parallel with another centre was a parallel Mached to Birmingham University:

The department is already

solidly established in the main areas
of responsibility. of responsibility of a school of English. It has already hived off a fine tenre of Renaissance studies in the Shakesoeare leaves to the studies in the

from unknown to new "Bond girl".

As part of the mass communications and society course, the OU is constant about the set will give the se

currently showing an eight-pari-series on the making of the multi-million pound extravaganza, The Spi-who loved me. It is being shown on the set will give students plenty of potential insights to discuss as of potential insights to discuss as Barbara is seen combing her hair, having her photograph taken for days on end, talking about fashion and generally being pretty. We also see her acting which involves ocquiring the curious emotional gymoustics to which Bond girls seem prone: to wit, lying in bed with Roger Moore one minute, muttering "But Jumes where we you going?" and then shooting him full of poison armalite pellets the next. on alternate Sundays at 11 am and on August 14 students and general viewers will see part three, Also Starring which features burbara coming up with the time-honoured tack that she wants to be drought of as an actress not a film star, a mind not a body; although on the evid-ence of this film one is bound to say that she should go home and

The whole series makes little in the way of coltorial comment and takes an unsensational look at the A distraught publicity man is also takes an unsersational roos at the allegedly glamorous world in which people talk about Dave and Tony when they mean Sir David Attenborough and Lord Snowdon. It shows a harrassed writer saving that fine others are convicting his work sald, valiantly sticking to an expresnow so mocked us to guarantee full-throated guffaws from all who hear it, "in a non-cheesecake situafive others are rewriting his work nt any one time; it shows the com-poser pointing out that he wrote the theme time on paper he had to

In other words, you will be pleased to hear that the film business is, by and large, considerably on the remote Sherhand less glamorous than lecturing, mar ginully loss glamorous than writing a book of idioms for polyglors and almost as totally devoid of status as writing "On the other Hand".

South Bank ahoy

I now have on my hands what we in newspapers call a running cor-

Now the deputy director of Plymouth Polytechnic writes to expose

From Dr I. C. Conna

deputy director of the South Bank Polytechnic should be making claim to maritime connections. I saw neither dolphins nor porpoises over many years navigating the marsh-lands of Southwark, although it is true that the occasional elephant was sighted.

Far be it from me to question whether kindness, love, diligence and speed abound at South Bank, but if these are the qualities assuched with maritime towns then Plymouth Polytechnic stands proud; consequently rival claims must be

Is South Bank being less than kind to sister polytechnics in heralding a maritime environment and connection? If, however, the claim is merely a warning shot of a naval intrusion then our hearts of oak are ready to engage (note the effect of real sea air).
Old salts are well known for nos-

tulgia, and any sea tang in South-work can be no more than the olfactory memory of an ex rear-admiral. There, the dolphin ex-

. C. CANNON Deputy director (Academic)

On the remote Shetland island of On the remains sheathed island of Pupa Stour people still talk about Lord Tirval, the bailliff. Although he finally laid down his rent book around 1300, the name of this powerful royal sorvant lives on in the island's folk lore, where incldents are still related about him and natural features proved of the him. natural features named after him, long after the buildings which he controlled had crumbled beneath the top soil.

in newspapers call a running correspondence and there is every sign that it will turn into a running fight before the new moon is up. A few weeks back (THES, July 1) I innocently inquired why the South Bank Polytechnic's cress depicted a porpoise running a first edition down a suit of armour. Its deputy director kindly wrote in (July 14) pointing out that it was in fact a dolphin and giving on interpretation of the crest highly favourable to the poly and all who sail in her.

This month Dr Barbara Crawford, of the medieval history department at St Andrews University, has been putting the accuracy of oral tradition to the test and, with a team of staff, students and volunteers, has been oxcavating what she believes will be the medieval Norwegian royal hall where Tirval operated and where, according to Island folk lore, the feurless Rugnhild, a renam who could take it on the chin, accused him before the Norwegian Duke Hakon of cheating his royal master of ronts. This month Dr Barbara Crawford.

A university spokesmon said or behalf of Dr Crawford that "from documentary evidence it is known that the kings of Norway, who held Shetland from the tenth to the fifteenth centuries, had a large estate on the island and this provides a unique royal farm which Dr Crawford believes was the centre Norwegian royal administrat

in Shetland.
"The kings of Norway had estates on most of the Arlantic islands, but none of their resi-dences have been traced. It is hoped that Papa Stour will provide

Are made of this?

Mark Brown wants you to remember the following: flame, hand, loat, unt, rain, elephant, dollar, hair, sun, girl. A harrister by training and an adviser to universities on learning methods, Mr Brown has committed to paper his observations on memory: Memory Matters (David and Charles £4.50).

When giving a learning he recommitted to paper his observations on memory: Memory Matters (David and Charles £4.50).

When giving a lecture he recommends that you use one of many memory systems. "Select key words that represent the sections of the talk and then use the link system or the many sections." or the number-sound system or the number-shape system, the alphabet system or the T-for-one system to remember them in order." All of them depend upon one-sounds-likegun or two-looks-like-swan numenonics which I find more difficult to renumber than the original list, but Mr Brown systems of the public systems. Mr Brown argues otherwise.

Those of us who have no hope of mastering anything like this can take comfort from recent experiments which show that memory can be transplanted. "Chemical transplants have enabled a four of the dark, induced into one animal, to be transferred to enable animal, to be transferred to another animal previously unafraid of the dark. The implications", Mr Brown says,

Now that is more like it and personally I would like to eat Professor Dahrendorf of the London School of Economics whose grasp of the German political scene I have long admired. Friends tell me that I should, for the sake of my career, est Professor the Lord Valzey of Brunel University, but I think I would find economics and theories of education and all the rest of it of education and all the rest of it a bit too rich for me and would have to share him with someone

LETTERS TO THE EDITOR

Cultural studies and English studies

Barbara Bach: "a non-cheesecake situation"

clear and indeed blatant.

The work reported year by year, and the published articles, including, of course, the Working Papers in Cultural Studies, became narrower in intellectual interest;

outlook in the authors recommended is to be noted.

The decisive shift is recorded in the Fifth Report 1968-69, in the long introduction "based on a lecture . . . given by Stuart Hall", giving special emphasis to Raymond Williams's Culture and Society and The Long Revolution—indeed, the piece is about little else. From then on, the drive towards total Markizing of the contre becomes Clear and indeed blatant.

The decisive shift is recorded in the publications, I have found this are available in university libraries (I think are available in university libraries (I think the Working Papers are very easily seen; the annual reports are scare). See also two articles in the Universities Quarterly: F. Ingils on "Cant and Culture", to me at least an almost physically painful task. And to think that the centre started as an offshoot of a Markizing of the contre becomes Clear and indeed blatant.

However, the most significant of the centre various publications of the centre available in university libraries (I think are available in university libraries (I think the Working Papers are very easily seen; the annual reports are scare). See also two articles in the Universities Quarterly: F. Ingils on "Cant and Culture", autumn 1975, and G. Watson (no readers) on "Criticism and the reviewer in Criticism and the latter I have only just seen, but it the letter exchange of views, but if the letter exchange of views are too brief."

However, the most significant point in Mr Hall's defence is that he does not deny that the centre is now a solely Marxist centre; he clings to "necessary logic". There is no such necessary logic; on the

narrower in intellectual interest; and eventually contined rigidly within the particular Murxist heresy peculiar to the centre. In quoting from one especially horrifying item in Supplement to the Eighth Report (January, 1976 to January, 1977), I merely picked aimost at random a topical example of the work being done.

At least as revealing as the sum that the supplement of the work being done.

At least as revealing as the sum with say, Social ...: the education is no such necessary logic; on the surely such that it increasing reading its sum in the supplement of the sum what he when what he will suffer the contrary, the change is surely the contrary.

If Mr Hall had been what he when the sure interesting reaction and the instinution and he insinution and the insinution and the interesting is no such that I have hased the object his reviewers exercise malities that I have hased the object has a full leve his reviewers exercise malities that I have hased the object has I have have have have here in English Studies says that I become in English Studies says that I have have have here in English Studies says that I here in English Studies says that I have

exchange of views between yourself and the reviewer in *Criticism* and judge the dobate for themselves." Actually there had been no exchange of views, but if the letter failed to soothe there is a better

reason.
YIVES, though it recommended YIVES, though it recommended the review by the gentleman who had not read the book did not mention the reply. If Mr Redmond had ever heard of my reply before. I told him, which I do not believe, his fuith in the indefatigability of his scholarly audience was great indeed if he expected thom not only to follow up a reference but also to look up the next few issues of a small-circulation American journal as well, on the off-chance journal as well, on the off-chanco



Three institutions may be company.

but four is something of a crowd, particularly when the fourth is he-

tween 12 and 13 miles up the road.

heffield City Polytechnic, veteran the merger business, has just the asked to take another college

been asked to take another confege of education under its wing. The Government's final list of college closures and mergers, published last month, confirmed its previous view that Lady Mabel College, Rotherham should become part of

MOTICE BOARD

department of geography at Liverpool University, has been awarded the title of professor by the university. A. J. Fourcin has been awarded College, Landon. Rocking has been awarded

Grants.

Chemistry—£11,430 from the SRC for an investigation of the chemistry and thermochemistry of Halides, under the direction of Professor R. D. Peacock. Recomic history—125,000 from the SSRC for a study of multinational companies in interwar Central East Europe, under the direction of Professor A, Teichova (East Auglia) and Dr P. L. Cottrel.

Biass communication research—I12,281
(supplementary) from UNESCO for a studies of the developing insect visual study of the filtering of news on Southern Africa through the major P. M. J. Shelton.

S. Gliman S. Gliman S. Gliman in the SRC for studies of the developing insect visual system, under the direction of Dr. H. J. Gold H

People and Organizations: Army Board 2 (DIA52) prog 7). Making Sonse of Sockety: Salsation and Politics (DIII) prog 230. Technology Leunghalon Commer The Board of Computers (Line prog 15).

regionally Tracining Mechanisms 1961:271; prog 8). 1961:274: Date and the Social Schmers: Masters and Allstriases

3 (VMP)
Orang : Shaw and the Now Shirit
(A507 : prog 15).
Economics and education toticy
A Degree at a Price (ED3_2 : prog

Saturday July 30

Professor D. H. N. Spence, at present holder of a personal chair in the de-partment of hotany at the University of St Andrews, has been appointed to

Professor Eric McKifrick, professor of history at the University of Columbia, New York, has been appointed to the Harold Vyvyan Harmswornt Professor-ship of American History at Oxford University for 1979-80.

Sociology—£26,056 from the Department of Employment for a study of the opportunities for and experience of young people in the labour market, under the direction of Mr D. N. Ashton: £10,233 from the SSRC for a study of democratic participation in a retail cooperative suciety, under the direction of Professor J. A. Banks.

Western news agencies, under the direction of Professor J. D. Halloran, Physics—£11,915 (aupplementary) from the SRC for a study of cosmic X-ray sources from the UK-6 satellite, under the direction of Professor K. A. Pounds

Appointments.

Chairmen of boards of studies; Mr J. F. Dixon (extramural studies); Dr N. Bolton (psychology). Dean, faculty of education; Mr R. F. Goodings. Lecturer; Carl Thomas Emery (law). Honorary visiting professor; William McClelland (business administration).

Lecturers; A. E. Lewis (Christian dog-matter); S. T. H. Saver (commics); J. Jacob (genetics); B. T. A. Potter (pathology); C. A. Smith (politics). Temporary lecturers; Miss S. L. Man-ton (pathology); Mrs N. H. Campbell (social administration).

Readers: Mary Garland (German);
I. D. J. Phillips (biological sciences);
D. Walling (geography). Consultant/
senior lecturer; P. P. Anthony (histo-pathology). Tutor: P. R. F. Chanin (extramural studies). Lecturers;
P. M. K. Leat (agricultural econo-mics); R. R. Drury, Miss V. K. Gay, D. J. J. Lester and N. P. Terry (law). Liverpool

Noticeboard is compiled by Patricia Santinelli

Forthcoming events

Image, Idiora and Ideology in a leave in Theatre and Film a service inquiry, will be held from Service 14-17 at Eliot College, University of the control of

Only 14 months ago the merger of the polytechnic. City of Sheffield College and Tutley-Thornbridge Col-College and Intery-Inornbridge College was officially completed. The polytechnic was beginning to emerge from the host of problems which this involved when the edict about Lady Mubel arrived.

"Post-Compulsory Education in term Europe" a conference for I post Reducationists organized Coembe Ludge Further Education 9-15 at Stirling University. The organized control will concentrate an exercise will concentrate and exercise will be the education sectors; many planning; the relations have educational structures and confedence and content developing social and industrial experiments. about Lady Muncet arrived.

The Rev. George Tolley, Sheffield's principal, feels that the first merger was a successful exercise.

More than 100 staff were surplus to the needs of the new institution and there now remains a core of only 15 to 25 whose future is uncertain. From the first there was a policy

the polytechnic

erom the first there was a policy of no compulsory redundancy, though 35 volunteered to go. The polytechnic introduced a programme of retraining and redeployment. All yacancies are first advertised internally and a number of former Efficient combustion make her plant technology, renerit at h vacancies are lift advertised in-ternally and a number of former college of education lecturers found jobs in other parts of the polytech-nic once the 60 education jobs were filled. Two, for example, went into the political studies department. plant technology, renerical kerate energy sources at some energy infilization in coast of industrial applications are resulted industrial applications are resulted in the source of Fuel to run in accept with the Energy Show at Opathy the Contact Trident International by the contac

Two new faculties, education and humanities, bave been created, bringing the total to seven and raising the number of departments from 24 to 38. Representatives of the National Association of Tenthe National Association of Lea-chers in Further and Higher Edu-cation also feel, that, despite the inevitable worries about job security, the reorganization has been handled in a humane manner. Though some college staff have lost

matus, none has lost money. Polytechnic staff have hardly noticed the merger so fur.
"Criticism which is directed at the merger should really be directed at the cuts in education as a whole", one of them said.

They are, however, concerned about the minority whose future career is undecided and about the werstaffing of some departments which is still causing uncertainty.

Sir John Rowlands, assistant principal (personnel), shares their view that attempts to encourage redeployment and retraining have been a disappointment.

been a disappointment.

Sir John says: "Frequently college lecturers who applied for polytechnic jobs found that they were not what they had thought and that they required a degree of specialist knowledge which they some redeployment but not as much

Why three is company but Lady Mabel is a crowd

Sheffield City Polytechnic, above. already coping with one merger is now faced with another. Judith Judd reports on the adjustments needed when four institutions are rolled into one



Mick Elliott, the students' union president, is a former City of Shoffield student and his election to lead the students of the new institution is symptomatic of the ease with which students have slotted into the polytechule.

Mr Elliott, the students' union the coming year but still speaks of "distinct losses". "A certain amount of gracious living and the standard of catering which we enjoyed in the colleges has gone. Probably it had to go in the present economic situation."

In the college, communication

into the polytechnic.

Mr Elliott says: "We were in favour of the mergers from the first and I think there are big gains for students from belonging to the bigger institution which has strong ties with the city." Even so, there was some wrestling over the joint union structure before three strong and very political students' unions and very political students' unions could be persuaded to unite.

real answer is to get more students and the overstaffed deparaments and a number of courses are in the pipeline which should help."

The staff who have come into the new institution are enthusiastic about the prospects it offers. Mr. Brisn Cantson, head of the department of education studies sees approximates for the new education tachy of the polytechnic, which had no education department before the merger. It has got off to a good start with a BEA department before the merger. It has got off to a good start with a BEA department before the merger. It has got off to a good start with a BEA department before the merger. It has got off to a good start with a BEA department before the merger in the polytechnic within the merger as Mr. Elliott. Mr. Harry Peake, the college's principal, at the time of the merger at first opposed it and later disagreed with the way it was being carried out. Mr. Peake, who is now spending purt of each week sorting out Goldsmiths' College's merger at first opposed it and later disagreed with the way it was being carried out. Mr. Peake, who is now spending purt of each week sorting out Goldsmiths' College's merger at first opposed it and later disagreed with the way it was being carried out. Mr. Peake, the college's principal, at the time of the merger at first opposed it and later disagreed with the way it was being carried out. Mr. Peake, the college's principal, at the time of the merger at first opposed it and later disagreed with the way it was being carried out. Mr. Peake, the college's principal, at the time of the merger at first opposed it and later disagreed with the way it was being carried out. Mr. Peake, who is now spending purt of cache week sorting out. The merger at first opposed it and later disagreed with the merger at first opposed it and later disagreed with the way it was being carried out. Mr. Peake, the college's principal, at the time of the merger at first opposed it and later disagreed with the way it was being carried out. Mr. Peake, the college's principal,

In the college, communication was personal and oral. Everyone knew everyone else. Now everything has to be written down. Some of the feeling of community, and also the cultural activities, have disappeared but Miss Gilbey says that staff have

of the girls had to be out of their rooms in the mornings—"no polyand the girls had to be out of their rooms in the mornings—"no polytechnic student would put up with it's, says Mr. Elliott. Now the relatively, itsolated compute its being brought into italia. with the resemble the polytechnic where visiting is free though cohabitation is not



The Rev Dr George Tolley is now

been sited at the former City of Sheffield College, about three-quarters of a mile from Pond Street, without too much fuss, though someone besides the educationists will have to move there eventually. The main problem is Torley.

says: If you want to go there it's six miles away. If you don't it's eight." He is puzzled that nobody does since Totley has more space and pleasant surroundings on offer.

and pleasant surroundings on offer.
The English department will almost certainly move to Totley in the autumn but the geography and urban and regional studies departments refused. The latter, in particular, spoke of the need to be close to the city to carry out its academic programme.

ver been taken. Science and engineering will have to stay in Pond Street because the heavy plant is there so on arts department such as history is the most likely choice. Mr Evans, whose merger experience; have turned him into a keen observer of human nature, comments that one thing merging has laught him is that the meek will not indust; not inherit the carth.

If the transport problems to If the transport problems to Totley are considerable, those to Lady Mabel are enormous. One lettiner worked out that it was possible by a combination of local trains and buses to get there in half an hour. The snag was that you could only do it lour times a day.

Dr Tolley speaks of the formid-Dr Tolley speaks of the formidable difficulties which confront the college in the merger with Lady Mabel. It is so far away that it will have to be virtually a self-contained unit, but he believes that it is scarcely big enough to be viable on its own. He does not expect the physical education students to occupy all of it, so at least one self-contained department will have to join them.

Lady Mabel has superb physical education facilities, most of them not available elsewhere in the polytechnic, but the fate of a building which looks more like a stately hunce than a college of education in the fate of the stately is taxing the polytechnic's adminis-trators. For the moment they are keeping the building, complete with statues and paintings.

It is leased by Rotherham Corporation and the council is auxious that the area should not lose its lf the economy allows student num-bers to expand in the 1980s, the polytechnic would find the extra space useful.

Other aspects of the Lady Mabel merger have been easier. The merger, which was agreed in May this year, will take place on September 1. One reason for this speed has been the decision of Mr John Foster, the principal, to leave this summer. Mergers, he says, ero about summer. Mergers, he says, are about vested interests—the principal is one of the biggest and if he goes, it is easier for everybody. "I'm lucky. I have about 15 books on the market and with my freelance work and the money I shall get under the Cromble Code I shall be all right. Mercarenes is all right. Not everyone is so fortu

His deputy is retiring too. "She could not have been offered anything of remotely similar atatus in the polytechnic." Mr Foster was determined not to preside over a dying institution. He was ground. dying institution. He was equall determined not to go into a poly

that someone will have to move.
But everyone thinks it should be someone else.

The education department has been sited at the former City of Sheffield College, about three quartors of a mile from Pond Street, without too much fuss, though someone besides the educationists will have to move there eventually. The

During the negotiations with the polytechnic he has tried to safeguard the interests of students, staff and the new course for which Lady Mabel had won CNAA approval when the Government proposed the merger. Of his 45 staff 12 have found permanent jobs in the polytechnic and some temporary jobs technic and some temporary jobs for one or two years. About eight have taken early retirement. Provision has been made for students to complete their course and some aspects of the CNAA submission have their incorporated in the aspects of the CNAA submission have been incorporated in the polytechnic's new BEd degree.

Air Poster was particularly duribute that the "avant garde"

to the cluster carrying of the control of the contr

STUDY AT HOME for a Lordon University Enternal: DEGREE Walsey Hall, the only correspondence callege with full courses for Lundon University External BA degrees, provides individual instruction by highly qualified luters. Modesy Hall has a remarkable record of bacters - a pass rule of over 90°, is achieved in some degree subjects, including in high proportion of the 1-1 and upper 2nd class honours awarded.

Courses cover B.A. in One Subject, M.Sc., All. 1 and If, B.Sc., Feon, I.L.B., B.D., London University Diploma and Pestgradinate Cert, in Education, Codlege of Preceptors Diplomas, as well as a wide range of professional, career and O.C. L., subjects,

publicits.
Free prospectus from the Pelmipul
W M M Millipan MiW. TD, MA
Dept BA1, Wobey Hall,
Oxford OX2 6PR,
Telephone (0865) 54231
(Ansafone after 4.45, p.m.)

Molsev I Jalloxisio

ip of American miversity for 1979-80.

Art Michael Summer, senior lecturer at the University of Manchester, has been appointed to a new chefr in economics at the University of Safford, with effect from September 1, 1978.

Dr I. Oswald, at present senior lecturer in the department of psychiatry at Edinburgh University, has been appointed to a personal chair of psychiatry at Edinburgh University, has been appointed to a personal chair of psychiatry at the department of psychiatry at Edinburgh University, has been appointed to a personal chair of psychiatry at Edinburgh University, has been appointed to a personal chair of psychiatry at Edinburgh University, has been appointed to a personal chair of psychiatry at Edinburgh University and Edinburgh University of Safford, with long return the University of S

the department of general linguistics at Edinburgh Oniversity, has been appointed to a personal chair in lin-guistics, with effect from October 1,

24.00 Permissis century godity Brecht as a Political Poul (A Pon : prop 11). G0.20 Modern of from 18 H to the cont : styles and social insulications. Paul Kies : treating Like Nature (A 55) : prop 1. D0 40 Bistory of mallicentics Develop-ment of Fractiona (A M200), prop 8.

11.50 Unest Corust—20 Students in the Corust—20 Students in the Consumeration of human geography:

12.45 Transferred to Human geography:

12.40 (Aurticulum design and development:
12.41 (Aurticulum design and development:
12.43 (Aurticulum design and development:
12.44 (Aurticulum design and development:
12.45 (Aurticulum design and development:
12.46 (Aurticulum design and development:
12.47 (Aurticulum design and development:
12.48 (Aurticulum design and development:
12.49 (Aurticulum design and development:
12.40 (Aurticulum

13.05 * Irban Education: The Educative Lamountry (1.72) had 77.

73.30 Science and the rise of technology ince 1809; The Alkelt Industry (AS1241; pros 7).

Sunday July 31

0.20

0.45

People and Organizations; Army loading Softward 2 101352 prop 7: Section 1 10352 prop 7: Section 1 10352 prop 7: Section 2014 prop 2: The interval of Computing and Computing 1 100 prop 1

Heart and the standard of the

Director, Marine Transport Centre : M S. Gliman,

Titles of reader: A. Brookner and Dr. H. J. Golding (history of art Courtanid) and Pauline Downs Open University programmes July 30 to August 5

7.20 Licenserts of music : Darmonto Analysis (3) (A2-11) prof. 11).

PASIO 4 (VMF)

D.10 National factoric and economic policy; chrotic lightness—the Argenting Cases (1992); prog [2].

D.30 The early bound empire and the rise of Cristianty; The Rebuil of Hierarchy, and the rise of Cristianty; The Rebuil of Hierarchy, publics and laredge policy; the Campol of Furgor 11.

D.10 The digital amount of Furgor than the Campolier Communication in the Campolier (Communication in the Camp RADIO 3 (VHF)

3 (VHF)
 The are of revenutions: The Moyal Academy and Laglish History Paints my (Ages, prop 185);
 Heracksoner and Reformation: Reformation studies: The Moyal (Age) prop 35, 18731, 18449 4;
 History of architecture and despondences: Prop 18, 18731, 1844 14;
 History of architecture and despondences: Prop 18, 1973, pro

Monday August 1

Solids, liquids and gones: Diermin-oytander; (1) (SP24); prog 11). National busine and equipment policy the Pulling Curva (D212); group of the psychology; Social Sidilis diermy (1) (D307; prog 12); 14.00 • Insulations : The Private Sector (1984) , prog 16.; Industrial relations : The Private Sector (1984) , prog 18.; Albana Vorkers in the L.C.C. (1984) ; prog 12.; and learning Language and banking (1202) prog 11.;

nincteenth-contury novel and the y: American tenocuncy (A302);

7.15 termin, tenet, Mariput Pen of Michael St. property.
7.40 For bouldary Color your Participant of St. 1 teneth Color (Color Color Color

And Pre-Amounts: (1962) and Wales

Anticolical bases of habsylour: Conditioning and Loarning (BDT286; highest of the LLC, on farming troopings) and Loarning (BDT286; highest of the LLC, on farming troopings) and continues: William Ricks: Poot and Painter (A202) the Continues of the Continues History Poot and Painter (A204).

10.35 Personally and loaering: Solfcontent (2201) involved 110.

11.00 Mass communication and society t
Designing (PESS) (neg v).

11.20 Frontain: and society t
F

7.10 Arts (conduting course : The Printers and The Philosopher (A10); programs : The Printers :

Institute of Art); Dr F. Fransella (clinical psychology, Royal Free Hospital School of Medicine); Dr L. J. Goodman (zoology, Queen Mary College); Dr J. M. Hancock (geology, King's College); Mr S. J. Nickeli (economics, London School of Economics).

Senior lecturors: Mr II. A. Alavi

Mr R. D. G. Tunbridge (medicine).

Lecturers: Mr R. 1. Thomson (history of art); Mr D. J. Reld (education);

Miss Eispeth McCariney (speech patho-

Inner London Education Anthority

Dr Norman Hayes has been appointed ILEA's new deputy chief inspector with

responsibility for further and highe

Mr Reginald Murley of the Royal Nor-

thern and St Alban's Hospitals has been elected president of the Royal College of Surgeons for 1977/78. Air Selwyn Tavlor and Professor Gordon Robson, both of the Royal Postgraduato Medical School, have been elected vice-proclidents.

logy and therapy); Mr D. F. Martin and Mr G. S. Walker (medicine); Mr H. H.H Wan (geriatric medicine); Mr

(sociology); Mr Michael Davies and

Manchester

17.45 Pain after a common and points; Status and Atlatanceal (Lo. 3); pres 18.05 Problems of philosophy; Wittigens of the Company of the Comp

- Wednesday August 3

Genetics: Countie Mantantation of Wheat 18,299; prof. 10:
Open Partial—111: Students Abroad in the Sorthes
Public infinitestrates Public for the Indie 17.20 Prople and work: The Landy Distort (DITS); prog 97.
Aris foundaling course: Perception (A100; prog 25).

BBC 2

7(30 Arts foundation course | Percentler | Indiginal Development [0522 prog | 17.45 | Indiginal Developm

7.30 Comparative government city is Positive of Recoil marks (1923); prog 6).

16.55 Jectston making in Situation of State - Dun of Mark 192 prog 11.

17.20 Systems behaviour: Extenditure of National City of Prog 11. 17.45 The development of below from their music: Homanic Reals prop 11). 1B. 1O Language and Jeaming had time than (1.262) prop it

Leisure and the Urban Soday

international conference organi-the Leisure Studies Associated the held at the University of Mank from September 23 to 25 For details from the LSA, 161 fc Avenue, London N13.

19.25 Grands a Brayes/fiber 6.

19.25 Grands a Brayes/fiber 6.

19.35 Partial Inferential Equation Applied Mathematics: Conference of the Conference of the

50me redeployment but not as much 18 I would have liked."

He reckons that about five departments are considerably overstaffed and a priority has been to encourage redephoyment from the susplus to the deficit departments. No member of staff has been able to find a left with the local authorities of a job with the local authority so the polytechnic has had the respon-sibility of carrying out the no re-dundancy policy.

dundancy policy.

He says it is difficult to see how the problem of overstaffing and the minority of college staff who are still jobless can be solved. The real ensure is to get more students real answer is to get more students the overstaffed departments

Mr Karl Evans, assistant to the assistant principal (resources), says: "If you want to go there it's



TV camera's view of politics

by Geoffrey Woodcock

The Open University, advocate of the open University, advocate in the multi-media approach to learning, has taken full advantage of its lini with the BBC to produce a chalenging case study, Television and Politics, for use by its students on the third-level social sciences cours, mass communications and

ert from the printed material -1 indensi notes and so on-the eight television programmes— excity half the relevision couput for the whole course. This pro-vides a separate strand of teaching material which is not directly related to the study units currently in use by students.

The case study aims to give first-hard evidence of the ways in which television commentators and production fearns both in the United States and the United Kingdom states major political events. The student is given a chance to examine for himself the constraints and philosophics underlying the production process, the consequences of television's presence at these eyears, and its impact upon politics and politicians.

Above all the course team intend the package to draw attention to the role and functions of the

media in the political process.
In selecting the Republican
National Party Convention and
the Labour and Conservative Party Conferences the course team chose to focus upon the available occa-sions during 1976 which they could reasonably prodict would provide interesting and useful material.

The first programme alms to prepare the student for the subsequent films in the American section of the case study by giving a glimpse of the three key opera-tional areas, the floor control booth, the anchor booth, and the main

control room.

A Mirror Held up to Reality takes its title from a remark mude by Harry Reasoner, the anchor man from the network chosen for the study, the American Broadcasting Company. In an opening interview in which he discusses the job of television reporting, he remarked: "If art is an abstraction of life, television is an abstraction

comments by them upon the rela-tionship between political events and broadcasting.

By providing a flow plan of the Kansas City Conference Centre in the supporting material, the viewer is given the spatial aspect of the broadcasting operation. This is a crucial element in understanding the construction of the following films as the convention is not trea-ted sequentially but in terms pri-marily of production locations.

The second film, Floor Control, looks at the role of ABC's four floor reporters in the convention half, reporters in the convention hall, the possible effect of their physical presence, and their relationship with politicians. This is highlighted by a remarkable interview between ABC's chief reporter, Frank Reynolds, and Ronald Reagan.

Similarly in the next programme, The Anchor Booth, we are able to witness the production team in action making editorial decisions and to realize that the process of coordinating the transmission is the creation of a much larger team not just anchormen. To illustrate this there are two interviews, one with John Connaily, the former Governor of Texas and at the time a possible vice-presidential conditions. As deat Nelson Rackofollar. dent Nelson Rockefeller.

Main Control portrays the technical aspects of producing ABCs in a context of a more strait-incod algebra programme covering the convention. It envesdrops upon the directing the transmission, giving a flavour of both the exhibitation and the stress of knitting together the various inputs. There are some well-courasted sequences.

of the news, it's a mirror held up to reality. . ."

With a balance of interviews and films of the various activities and films of the various activities and locations, the programme gives an overview of the planning, preparation and briefings. It introduces the viewer to the most prominent production and reporting staff and located some pungent philosophical comments by them upon the relationship between political events and broadcasting.

television".
This sums up the stresses and dilemmas of much of the newsgathering process. Central to tele-vision is the visual image. And this programme illustrates how this can become an over-riding priority; it is unfortunate that nowhere in the case study has attention been drawn to this most important

feature,
The control room goes to great length to show Senator Laxalt's handwritten speech on yellow pieces of paper, the significance of which must have been lost to the majority of viewers, whose main concern, it appears, was to judge whether television favoured Ford against Rengan. Maybe such points are lost to the students as well. It is in this final film that

coverage and presentation. As Robert McNeil points out in the

leading BBC personnel in the transmissions, their professional stance and the scale of the BBC operation.

Unlike their American counterpart in the case study, the BBC by its two networks could transmit both live broadcasts of the conference proceedings ("gavel to gavel")—as currently practised by NIC and CBS—or edited highlights in a news/current affairs format—as ABC.

prominent and the producer, R_{1,2} Bohton, was interviewed about its of the Medium, examines the producer, R_{2,3} The final programme, The R_{2,3} of the Medium, examines the producer, R_{2,3} and the scale of the BBC operation.

The final programme, The R_{2,3} of the Medium, examines the producer, R_{2,3} and the remaining the producer, R_{2,3} and the scale of the BBC operation.

The final programme, The R_{2,3} of the Medium, examines the producer, R_{2,3} and the producer and the producer, R_{2,3} and the producer and the pr leading BBC personnel in the trans-

Television News at the Conferwhich BBC News treated Mr Callithan's speech on the second day of the Labour Conference, Mr Heath's speech on the second day of the Conservative Conference, and Mrs Thatcher's closing speech as Leader.



The media: what impact does

The aim of the seventh pro-gramme Television Current Affairs at the Conference is to show how BBC Television Current Affairs servative Party Conferences. Pana-rang and Tonight were a number of programmes which contained items from these conferences.

impression is accentuated by the deliberate lack of editing of some sequences which was required for some of the students' exercises on which was to take place the following the students' exercises on the students' exercises of the students' exercises on the students' exercises on the stude The Panorama team at the time the various inputs. There are editing, some well-contrasted sequences showing the executive producer, Bob Siepanbaler, under full pressure and in a reflective interview.

Following a particularly bectic some of the students' exercises on ding day. It addition to probing the factors influencing the decisions made by a producer, Colin Alartin, viewers observe pre-transmission discussions and briefings. The Tonight programme aparticularly bectic scene. It serves to identify the

can go anywhere and film non-sur for 30 minutes at a time,

The rause of Laguage can thus

as ABC.

This overarching of the two current American mades of presentation also provides an alternative method of invering the British part of the case study: live coverage; television news; and current affairs.

This overarching of the two current of profession in addition a number of interview with the Prime Mining with political and profession, broadcasters about the presentation of politics on television is included in the profession of the case study current affairs. the significance of the media's is tervention in political procedure

and practices.

Robert McNell, for example, is lieves that in the USA televise; has increasingly taken over the or synthesis. The cylidric of guillers to the colors and remodded them for income the colors. The cylidric of guillers in a taylor to the system of a system o innetention towards the end of the Goldwater speech shown on the gives credence to the view that he performance was simed primare at the cumerus.
In contrast, the Conservate

Party organization must be may correct about the fact that the fact that the rest and timing of her said of not give her the most advises not give her the most advises. and considered television of It would appear that the Lopolitical parties have some way gn before they acknowledgen; tertain the degree of immedia that exists in the USA.

John Serrs, Reagan's crus manager, cand dly expressed in quation when he stated in those ing television programms: The nature of the political busing in this country is such that you te always ambie paring proping rather than real tes and televis

sity course units examining head once effects of the med a law meantime students and are viewers will have found it issue tive to view the television pades ps evidence and basic with material.

It also undertwee the post dengers involved in enguring me dengers involved in engages to beer of the same organizates observe. I'll and edit its as then, There was a demostly advantage in having a BBC va abserving the ABC brainefact, was no; represed in the British ties. Might it baye been prefect to to have been in pave need protect to have been end on independent to Perhaps this is one inspeced to BBC/Open. University link positing a disadvantage.

The author is lecturer in socioles Institute of Extension Studies, of visiting becturer. Centre for Co-munication Studies, University

THE TIMES HIGHER EDUCATION SUPPLEMENT 29.7.77

Sir James Lighthill discusses the gap separating examination questions (even 'difficult' ones) from real-world problems (even 'casy' ones)

Project work can

bridge the chasm

for mathematics

oriented work. This is why defining examination syllabuses, and
setting examination questions, are
such important activities. In practice, students tend to direct their
subject-oriented efforts mainly
tawards material on which they are
likely to be examined, as indicated
by the syllabus or coercicity by however, one common feature: the time required to do a question is, at most, one hour. Statistical fairness demands, in fact, such a restriction; for students under examination conditions cannot language of the real-world problem.

The mo exaggeration to speak of the conditions of the real-world problem.

personal development. An animal examination, however, usefully ensures that in each year at the university a student devotes substantial effort to subject-oriented work.

Banial effort to subject-oriented work and enterprise the biggest of those differences is in the time needed to produce the enterprise of the enterprise that the needed to produce the enterprise that the enterprise duce on answer. Admittedly, the employer often demands his answer in a hurry; however, the nature of these real-world problems is such

One important—but often neglected —aspect of the relationship of universities and polytechnics to industry and commerce is the issue of examination questions. A "graduate" is, after all, someone who has passed a series of examinations; and more fundamentally, the setting of examinations remains the setting of examinations and the kind of examination mathematics, for example, which here fulfils this function. The older of these schools of thought believes in setting "difficultive examination question in mathematics, for example, which here fulfils this function. The older of these schools of thought believes in setting "difficultive examination questions" and the control of these schools of thought believes in setting "difficultive examination questions" and the control of thought believes in setting "difficultive examination questions" and the control of these schools of thought believes in setting "difficultive examination questions" and the control of the control o

likely to be examined, as indicated by the syllabus or (especially) by questions set in previous years.

Most British universities have a system of annual examinations, shough practice varies from an American-style continuous assessment, to an Oxford-style concentration upon one final examination. Continuous assessment imposes continuous assessment imposes continuous demands on students, which may deter them excessively from general activities promoting their personal development. An annual examination, however, usefully ensures that in each year at the

system, the importance of the annual exercise of setting the examination questions is obvious. The examination question is effectively the main scale of the control of

The examination question is offectively the main tool for specifying to sudents the body of knowledge and skill which they should concentrate on acquiring. Above all, students are guided in choosing the work on which they particularly concentrate by the examination questions set on their course in the last four or five years prior to their some examination.

There are two schools of thought the examination is offective in the course in the last form a single hour is required for their solution. The "call-world problems can also sixth-form mathematics").

The real-world problems is such that visily more than a single hour is required for their solution. The "call-world problems can also sixth-form mathematics").

Approaching his class for the kirst time can induce a state of cultural shock in many mathematics of graduates, and may lead them to it graduates, and may lead them to it graduates, and may lead them to it graduates, and may lead them to the course in the last complete and skills. A substantial majority of the real-world problems that graduates ensured in resulting perhaps in a graduate in soon leaving industry or com-

hus not been inculcated in a typical new graduate.

The chasm may be even deeper where the examination questions were "difficult" (involving mathematical problem-solving skills of a very specialized kind) and the real-world problem is "easy" (ending up, perhaps, after gruelling efforts

of examinations remains the more interesting of a price of bookwork followed because the control of its describing of a price of bookwork followed because the control of the state of the control of the control

world "problem is therefore both of great importance and of severe difficulty. There are, of course, local methods of bridging that have proved effective, although some of these such as sandwich courses, able in a pure mathematics context; widespread because of problems in increasing the number of available industrial placements. I would therefore like to indicate a technique for fore like to indicate a technique for promising one for quite widespread

Examinations, for the reasons given above, are necessary and desirable. They can be combined, however—as hus been tried with success in some British university nathematics departments—with project system. This refers to an undergraduate project carrying credit towards the degree equal to (say) one examination paper.

Mathematics, undergraduates should have the opportunity of undertaking project work in depth on real, practical problems. To experience work on a project of this kind gives students motivation; it adds interest to their nathematical studies is given them real insight adds interest to their mathematical of mathematics at Cambridge United into the process of formulating a mathematical model. Above all, it gives students confidence that they can use mathematics effectively in industry, in commerce or in government.

of mathematics at Cambridge United versity. The urticle is a revised versity of paper given at a recent conference on mathematics graduates and industry, the full proceedings of which are to be published by the Institute of Mathematics and its Applications.

Compulsion, of course, is most-undesirable. Not every student will wish, or be able, to take on the load of work represented by a project; many will be hest advised to concentrate on getting all the degree cradit that they can from the examinations. Some others will

For the stronger students with applied inclinations, however, I recommend a particular mechanism for bridging the chasm separating examination questions (however "difficuli") from real-world problems (however "easy"). Such students should be allowed to earn substantial credit towards their degree from undergraduate project work on real-world practical problems, taken to the stage where the mathematical model yields significant numerical groups on the stage where the mathematical model yields significant numerical results and on the cant numerical results, and on to the next stage, where those results are carefully and critically inter-

The author is Lucasian professor of mathematics at Cambridge Uni



Boon of instant reality and no blackouts

from archaeology to zoology, where being able to record material on being able to record material on the spot or show prerecorded material is not going to be a boon to teachers and students. My own concern is the teaching of French language, literature and culture and what follows describes my own growing awareness of the possibili-ties of video.



Yearbook charts multi-media developments

The latest developments in The range of Laguage can thus be extended in all the academic. A teacher can in the caurse of a brief stay in figure record a range of material from people who are rarely heard in our language classes—dustmen and doutists, fishermen and waiters, centenarious and children, zookeopers, lock-keepers, beckeepers. He can record aroust the primarily concerned with the primarily concerned with the primarily concerned.

Samuel Finer discusses the final report of the Royal Commission on the Press,

and its proposals for dealing with current threats to press freedom

There are also Idols formed

the reciprocal intercourse and society of man with man, which we call the Idols of the Market from

"We don't come out of it too badly

HIGHER FDUCATION SUPPLEMENT New Printing House Square, London WCIN 8EZ, Telephone 01-837 1234

Overseas students and law

on racial grounds—that is, on grounds of colour, race, nationality or ethnic or national origins—in various circumstances, of which unlawful to discriminate on racial grounds in the terms of admission or by refusing to accept an applica-tion; and if the overseas student were defined by reference to intionality or national origins, any-discrimination over fees or admis-

ions would be manifestly unlawful. dom for the previous three years.
Thus, even a British subject or a United Kingdom citizen would be treated as an overseas student if, for example, he had been born here and lived the first 15 years of his life here too.

So far as the old legislation was concerned, there was no way that discrimination on such grounds could be caught. Indeed, the Ruce Relations Board formed that view in 1969 in connexion with the policy

But the new Act is less easily concept of indirect discrimination. imported from the United States and first employed in the Sex Dis-crimination Act. Indirect discrimi-

■ A applies to B a requirement or condition which he applies equally to other racial groups (for example, a group defined by reference to colour, race, national origins), but • the result is that the proportion in B's racial group able to comply with it is considerably smaller than those not of that group; and

irrospective of colour, race, national origins; and

B suffers because he cannot This tortuous formula is designed

Under the Race Relations Act, racial groups because in the circum-1976, it is unlawful to discriminate stances a much smaller proportion instituble on grounds other than demands to "scrub" valuable race. The motives of the discriminator are quite immaterial, except that damages will not be awarded However, by far the greatest area. nator are quite immaterial, except that damages will not be awarded where the racial implications were unintended; but other enforcement

The imposition of quotas However, overseas students are defined in terms of a residential qualification: in essence, they must have lived outside the United Kingdom for the previous three years.

Beliefs subject or a control of the Education Secretary, and Beliefs subject or a control by the Education Secretary. proceedings in the county court for damages, declaration or injunction, and intervention by the new Com-mission for Racial Equality.

But none of this will come about, duce the illegality produced by this fur-reaching and progressive statute is entirely neutralized by virtue of section 41 (2). It deserves verbaim quatation: "Nothing in Parts II to IV"—this includes the education provisions—" shall render unlawful any act whereby a person discrimirestrict grants to those who had nates against another on the basis been ordinarily resident in this of that other's nationality or place country for three years before of ordinary residence or the length beginning their course. of ordinary residence or the length of time for which he has been pre-sent or resident in or outside the United Kingdom or an area within the United Kingdom, if that act is dune (a) in pursuance of any arrangements made... by or with the approval of, or for the time being approved by, a Minister of the Crown; or (b) in order to comply with any condition imposed . . . by a Minister of the Crown."

What is flagrantly unlawful is What is the grantly unlawful is thus made legitimate at a stroke of a minister's suy-so, even if that minister is in no way responsible for the matter or has no powers over it.

But all educational institutions should remember that direct discriminatory policies against overseas students based on colour, race, nationality, or ethnic or national origins—whother local authority inspired, prescribed by the particular institution or practised unispectromy to cover discrimination of practises unitarion of practise

Training modern doctors

Since the nineteenth century the General Medical Council has been supervision between graduation and specialist training. medical schools turn out graduates whose "standard of proficiency shall be such as sufficiently to guarantee the possession of the knowledge and skill requisite for the efficient practice of medicine, surgery and midwifery".

Modern medicine has made this an impossible task, but the GMC has continued to enforce the law us far as it can. It has sometimes been a painful job for the council, whose education committee in-cludes some of the country's most

Direct the Circumstances the veto proposed new undergraduate would be to introduce a new special proposed new undergraduate to the course of the Government would be to introduce a new special proposed new undergraduate training, without appeal but did not come close which course is that had great educations with the sense in the respect to the safe doctor "ideal over postgraduate training, without for the time being altering the basic structure of medical culturation. Thus he present compulsory preregistrollation of the medical profession advised the Government to repeal the present compulsory preregistrollation of the medical profession advised the Government to repeal the present compulsory preregistrollation of the medical profession advised the Government to repeal the present compulsory preregistrollation of the present compulsory preregistrollation of the medical profession advised the Government to repeal the present compulsory preregistrollation of the medical profession advised the Government to repeal the present compulsory preregistrollation of the present compulsory prereg

Nevertheless Mr Ennals expressed smould be readed, to give the Greek some doubt about the precise shape of the training process envisaged by them with Royal Colleges, medical Deputy dean, Merrison—in particular about the schools and other interested bodies, School of languages.

Nevertheless Mr Ennals expressed smould be readed, to give the Greek P. P. NEWMARK

STEPHEN COHEN, ANDREW HODGES, School of languages.

ANDREW HODGES, 26 Temple Road, Windsor, Berkshire.

specialist training.

These doubts reflect the feeling of the medical profession that graduate clinical training was the least satisfactory feature of the least satisfactory feature of the Merrison Report. Critics have raised several practical objections to the idea, though Mr Emails naturally picked on the financial one; in the present economic circumstances the Government could not undertake to provide the additional resources needed to introduce graduate ciliated training. clinical training.

Under the circumstances the wisest course for the Government

ary of State for Social Services, Mr. Ennals, that the Government at some unspecified date in the future).

Nevertheless Mr. Ennals expressed shape a more liberal approach to adopt a more liberal approach to adopt a more liberal approach to an entry of the major. Merrison and ergoduate oducation, without causing expensive disruption and discontent among the educators. The framework of the new Act should be fixelible, to give the GMC.

South Adoubt about the precise shape

LETTERS TO THE EDITOR

Copyright law

Sir,—It was with great interest that I read Frances Gibbs' article on capyright laws (THES, July 15) and the scheme of the control of the con racial groups because in the circums stances a much samiler proportion of that group is able to meet the condition. Such is clearly the case with the definition of overseas student currently in use. It will be unlawful unless the condition is justifiable on grounds other than race. The motives of the discrimination of the copying of the discrimination of the copying of the copying of all types of programme with a deducational television programmes, although there exists within that field unreasonable not possible to enforce.

Yours faithfully, PENNY GRIEFIN.

of copying lies within general inter-est programmes, such as Panorama. ivilisation, or the Ascent of Man, particularly in drama. Although the BBC does market certain programmes (of its own choice through BBC Enterprises), it is not possible, legally, to copy and show to students, the works and perform-ances of writers and artists in this medium. There is no archive of TV material; there is no access to

material for research,
Many institutions, including my own, would like to make a serious study of television drama, and of television performers. At present this is denied to us, and we hear, in horror, that the BBC has des-troyed early David Mercer and Clive Exton plays amongst others, and we are powerless to prevent such

Recently, a colleague of mine has been teaching a course on "comedy." He would dearly have loved to have compiled a teaching tape of examples of some of the multiplicity of comic styles and techniques to be found in television's light entertainment (which is the only place now, upart from the working men's clubs, where you can see "the comic performer"); he was not able to do so; his course was the poorer for it.

ertain programmes is not an impossibilty, a great deal of negotiating with individual writers and performers is necessary, and sometimes virtually impossible, as so many people can be involved. It surely is not beyond the wit of man to devise some system of

own could pay a sum, of say £50-E100 per unnum to some central agency, which would grant a licence to copy as and when required, a return being made twice a year of the programmes thus copied. The money could then be distributed, at a rate previously fixed to those prists, writers and directors whose work had been in demand. I realize this would take some considerable £100 per this would take some considerable negotiations with bodies like Equity, the Writers' Guild, the Musicians Union, the Society of Authors, but surely, it is not impossible; and then everyone would know where

Sir,-You reported much a

True, all this would mean the RBC and TTV changing their attitudes;

not possible to enforce. Yours faithfully, PENNY GRIFFIN. Middlesex Polytechnic.

Sir,-May I correct an impression in Frances Gibb's article on copy-right laws that your readers would gain with regard to Journal of Chemical Research? This journal was conceived not as a "solution" to problems caused by the widerather as an attempt to separate the archival and the current-awareness roles of the primary journal.
The synopsis journal is intended

as a current-awareness and a "browsing" medium, while the full texts (the archival version) are reproduced directly from authors' typescripts and *published* in microfiche form and in miniprint

Non-member subscribers receive both the synopsis journal ("Part S") and the full-text versions of the S") and the full-text versions of the papers ("Part M"). It is possible to purchase individual microfiches or photoprints of individual papers from the Chemical Society library, but it is the publication of the full texts in microform which distinguishes J. Chem. Research from the deposition system formand by for deposition system favoured by, for example, VINITI in the USSR.

As you rightly say in your edi-torial, "publishers might look at alternative ways of producing aca-demic journals". J. Chem. Research dentic journals". J. Chem. Research represents one such alternative, and you may be interested to learn that the initial reaction to it has been favourable. The synopsis journal had reached a circulation of approximately 3,200 by the end of June in its first year of publication. The sales to individual members of the three founding sponsor societies (The Chemical Society, Gosellschaft Deutscher Chemiker, and Societé Deutscher Chemiker, and Societé Chimique de France, and the seven supporting societies, had reached 1,488.

Novadays, individuals are not disposed to pay for printed matter that they are unlikely to want to read. In general, this means that read. In general, this means that
common currier" scientific
journals have a restricted market
so far as individuals are concerned,
and specialist journals have a limited market by definition. Survival
for academic journals must lie in
finding out what the potential
readership wants, and producing it
in such a way that they can afford
d to buy it. If enough of them buy it,
it really does not matter if they
photocopy it as well: at least, not photocopy it as well; at least, no so far as a non-profit-making pub lisher is concerned. Yours faithfully,

Yours failtuny, IVOR WILLIAMS, Journal of Chemical Research, The Chemical Society,

quent question, most utterances include elements of all three func-dans, but with varying degrees of emphasis.

The amendment to be fill be as the forward in that worker for London a framework to step thening collective barginal grantening collective barginal grantening collective barginal grantening collective barginal was all the step attenuities in the extense, it is not that the improvement of hope that the improvement of the beginning of an agreement the beginning of an agreement their own employees have their own employees have crisits—just like employees in other colors of society. Sir,—We are undertaking a biography of the late Alan M. Turing FRS and would welcome information, both professional and personal, which will be treated in confidence. Yours faithfully, STEPHEN COHEN, ANDREW HODGES, 26 Temple Road. Letters for publication should enti-hy Tuesday morning at the law. Then should be as short as possible and the cultor reserves the right cut or amend them if necessary

University pay

tion on the outcome of the tun-intiversity teachers' pay de-(THES, July 15), but specular is a bir fruitless at present since, situation must inevitably be de-fied very shortly.

call the Idols of the Market from
the commerce and association of
men with each other; for Men converse by means of language,"
(Francis Bacon: The Novum In August, 1975, two years a almost exactly, a THES come, custigated the government for e mean and shabby trick it had play mean and shabby trick it had plan with university teachers' pay. It a government to refuse to inch ment immediately the findings firs own appointed arbitration gowers bad enough; to continue twithhold the implementation and period of two years may so be unprecedented and there as be no pay "anomaly" more blay than this! "We don't come out of it too badly, do we?" a reporter asked the chairman of the Royal Comunission of the Press, and received the reply "That is an entirely accurate statement". Reverse the roles, ask the same question, and one will get much the same answer—the Royal Commission itself has "not come out of it too badly" either.

Whatever groups combined the wage-explosion of 1925 to the subsequent miseries delta. unemployment and "curtime sity teachers were not amage. a savage depression of their standards to levels worse that black days of the "freeze"at early 1960s.

Yours faithfully.

PETER TILEY

Chairman, salaries and god;

Association of University Teacher

NALGO and the Bill

the university's acceptance to should consult trade unions.

The Bill is now flexible enough to ensure that, whon future aller rion to the statutes of London by versity is being considered.

trade unions can be directly and ved in the decisions, which all, uffect the working live discount members.

The amendment to #

Yours faithfully, ALEX THOMPSON,

Officers Association, 1 Mabladon Places London WC1.

National Universities Officer, National and Local Government Officers Association

members.

Apart from the predictable ver-ict of "whitewash" coming from Despite this and despite the capite this and despite this pletely understandable feeling dismilitant minority, the professart a whole is, for the time being p the left, general press reaction has ranged from somewhat condescending felicitations on being "realistic" or "getting it right", to more grudging ones for its having recommended nothing in particular but pared to accept the advice of be Prime Minister and the police of the TUC.

The AUT is not pressing a di-to carely up lost ground sin 1973-74 since this would mean claim for 50 to 55 per centi-This is an injustice: the succession of inquiries has in fact re-flected two preoccupations. The 1947/9 commission was established, creases, nor are we attempting a subjective comparisons of our li-tive position vis-à-vis other may Our claim rests on the independent like the present one, by a Labour administration and with a similar preoccupation over the bulance of contents and opinion in the press which was suspected of a persistent anti-trade union findings of the arbitration panti 1975 and on statements by take government spokesmen. At this moment all the client

university negotiators are disti-to obtaining in full an immit payment of what the Govern led us to believe we should by in 1975. I am sure we cans-once again on THES support The commission of 1961-62 was set up by a Conservative govern-ment after the News Chronicle lind collapsed, and was concerned with the fluances of the press. The commissions have pursued urging the Government to atta-nor in any spirit of generally solely for the sake of integral

two distinct but reciprocating themes; the democratic role of the national press, and the economics of the press industry. This reflects the fact that in a pluralistic and capiallstic democracy the press is, in the works of the report, "an industry—but like no other". It is an industry most particularly and pecularly "affected with a public interest."

The imperatives of a pluralistic democracy domand a press that shall be free from governmental storference, faithful to fact, and Sir,—You correctly report (THES)
July 15) that NALGO has dropped
its petition against London University's private Bill in exchange for
sity's private Bill in exchange for opinion. But the logic of economics walk the search for profit short of which tirles will collapse and Perhaps you will allow me b

Hence an acute sensitivity to com-mercial considerations, and particu-larly to advertising revenues on Perhaps you will allow me to comment that this more is a major step forward in that it gives the trade unions automatic consultation for the first time—as of right—and justifies the considerable professional and financial resources deposited by NALGO to achieving his umendment to the Bill. which profits depend; or alterna lively, a quest for government subsi-lively, which brings us back full did to the spectre of governmenmterference. This at any rate low I read the central message this document, for all that its wan recemmendations lie in a third was of concern, namely the stan-

Broad considerations

Beware the idols of the market!

collusion-race on the one side, nor to the alleged right-wing bias of the press on the other.

In short, they are related both to the theme of the press as an industry and also to the theme of the press as an organ of democracy. Indeed, in summary, this is the way the two minority commissioners, Mr. David Basnett and Mr. Geoffrey Goodman deploy their argument. So

out of it too badly "either.

This is the third Royal Commission on the Press in the past 30 years, and an unkind historian might dismiss this as due to a tenyeur itch by the Labour Party and the trade unions to establish public subsidies to set or shore up a leftwing press which neither they nor the public are willing to sustain.

Apart from the predictable ver-To this strategy the communica-tion industry is critical, since the individual's range of first-hand in-formation is minimal and trivial compared with the extent of even everyday occurrences in his city, in his country, and especially, in the wider world. So the mass media that the press by any manual (not just the press by any means) act as so many gate-keepers between an individual and a veritable flood of raw information.

National newspapers have a circulation of 14 million on a weekday, 20 million on a Sunday, and a readership some three times as large. It is on the fate of these journals that the future of a democratically plural press depends, and I shall make no further application of the provinces. apology for ignoring the provinces

A democratic pluralism in the press is a risk from two directions, its producers and its consumers. From the standpoint of the latter, three minima are necessary if the press is to fulfil its "gate-keeper" ole in a parliamentary democracy: the coverage must be complete (since "no report" equals "no opinion"); recording must be accurate, or to the extent that this is not possible, there must be com-pering and alternative accounts; thirdly, comment must be fur, and since this is a highly subjective concept, there must be a spectrum of alternative commentary.

These minimu are hard, perhaps These militims are hard, perhaps impossible to attain in any single publication, and even over the entire range of newspapers, for reasons that are inherent and inevitable in the process of press communication as such. To begin with the major sources of news are the four international agencies and the Press Association (for home news).

all is surely this: although all modern governments have to rely on coercion in the lost resort, all would prefer to rely on a supporting public opinion in the first resort—and if possible all the time.

To this strategy the community in the community redundancy scheme. the publishers and the unions should constitute a standing committee to administer the scheme, which would be backed by very cheap government loans.

Additionally they asked the Arbi tration and Conciliation Service examine the chaotic and fragmented structure of labour relations in the industry, where Fleet Street has 360 autonomous union chapels. Its eport was acted on and the stand report was acted on and the stand-ing committee produced its Pro-gramme for Action last year con-towing proposals for the redun-dancy scheme, for the introduction of new technology, an agreed dis-putes procedure and the like.

Closed shop?

This was endorsed by the leading This was endorsed by the leading publishers on the one side, by the leaders of the unions on the other. But when it was put to the ballot, the rank-and-file promptly rejected the puckage; since then unofficial stoppages have multiplied, leading to the loss of tens of millions of

journalist's access to a newspaper and his freedom to write what he thinks in it, and the freedom of non-paradexical grounds that they are

the press, despite the effects of the broaden this point to where that its here, where the issue of state intervention to assist the industry omerges, that the minority engage the majority.

that there is a gap in the national press which would be filled by a newspaper generally supporting left-wing parties and opinions and providing a fuller coverage than is available in the Daily Mirror.

Furthermore their content analysis indicates that the disappearance of the News Chronicle and the Daily Herald "marked a significant loss in diversity of style and con-tent as well as in political outlook". As a consequence, they examine in detail several proposals for filling this or similar gaps, either by way of subsidies and reliefs to newspapers, or by way of a launching fund for new publications, or by way of establishing a nationally owned printing works—or a combination of all of these.

There is no point in detailing these objections here, other than to remark two points. First, the stoppages have multiplied, leading to the loss of tens of millions of copies.

"Suicidal" says the commission.

"It is a safe prediction that if it persists Fleet Street will experience the fate of New York, where five newspapers were killed in the decade before 1975."

Even if the printers do not destroy the very existence of the national press, the attitude of the NUJ may, in the opinion of many, stifle its freedom. The situation arises from the possible consequences of a NUJ closed shop for journalists. This could subject a journalists access to a newspaper and his freedom to walke with the first the proposition of the commission had had the chance to comment in this way on the 1964 Labour Government's Land Commission proposals, which came from the same stable.

For the rest, the majority dismiss

munication as such. To begin with the major sources of news are the four international agencies and the Press Association (for home news).

Hence the first hazard is this initial restricted number of sources. The second hazard lies however in the second hazard lies have the present comment. The present Geometric health was an editor should be readed to the second hazard lies have been because they discriminate the second hazard lies however in the second hazard lies have the hould lie to the second hazard lies have the second hazard lies ha

regard them as systemic.

They see them as inherently political merces.—it was designed linked to the problem of metatain, not to discredit the man but "publing and extending the diversity of licly-owned institutions", and they the press, despite the effects of the breadth this point to allege that eigenbation was and it is here.

The argument then scurries on majority.

The truth is that the majority does not believe very strongly in a systematic and persistent bias against the Labour party and the truth is from being filled commercially, trude unions. The nearest they to extract money from you and

Never mind that there is surplus Never mind that there is surplus printing capacity at the present: as a result of the introduction of new technology there may be further concentration of plant ownership in the future, so set up the National Printing Carparation right away. Never mind the majority's opinion that a launch fund would be very expensive; it would not be so costly as to outweigh its democratic utility in filling the political "gap".

They may well be right, for the majority rejected the solution on economic grounds. But it seems to me they might also have done so on grounds of conscientions

so on grounds of conscientions scruple.

We have already had the

have already had the We have already had the Houghton report recommending that political parties should be subsidized out of public funds, and the wholesome rejection of this on the grounds that a very large body of citizens would find it as outrageous to have money forcibly removed from their pockets, to enable politicians they regard as public enemics to regard as public enemies to campaign for public office—us nineteenth-century nonconformists

Political press

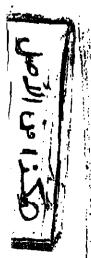
Identical considerations apply to subsidizing a political press. Why should a man be forced to contribute

should a man be forced to contribute to the costs of a paper he does not think worth buying; for that matter why should a reader of the Morning Star have to pay subsidies for publications of the National Front?

The minoritarians point out that newspaper subsidies are common all over able continent of Europe, to which I would retort that so are subsidies to political parties—and for similar reason. First, the papers concerned are mostly party publications which (apart from Unitá in Italy) run at loss precisely because they are party publications; and secondly, all these countries are multiparty countries.

As a consequence of both factors, all these parties are in competition

absent from this report. When claims, we have asked to mame "understand the proposition of the proposition o



Islam reinterpreted

Hagarism: The Making of the Islamby Patricia Crone and Michael Cook Cambridge University Press, 17.50 ISBN 0-521-21153-6

Books which completely after perspectives in a particular field are fry and far between, but the present work is certainly one that belongs work is certainly one that betongs to this category. Whereas the origins of Judoism and Christianity have continually been subjected to rudical reinterpretations in the course of the last century or so, Islam has a whole breakly granted this treat the last century or 50, Islam has somehow bergely escaped this treatment. This is not simply because Islam omerged at a later date, when the availability of more abundant sources might be thought to leave less the speculare about. As a matter of fact, the seventh century, a key period for so many subsequent developments, is exceptionally ill-served for sources when one considers the for sources when one considers the amount of material available for the centuries on either side. The few texts contemporary with the dram-atic events of the 620s and ensuing decades happen to be virtually all non-Muslim, whereas the traditional picture of the emergence of Islam is based on Arabic sources usually of considerably later date.

argued that the "Priestly Code" of the Pentateuch represented the latest stream in the development of Hebrew religion, and that consequently it should be disregarded in any attenue to reconstruct the earliest history of ternel. The authors of Hagarism (like Well-hussen at the time, both in their provided by Judaism, but this time through the time, both in their messiante, variety.

After this membrasism with terms of about the reign of Abd al-Medil: in terms of duce a completely new civilization there is one final ingredient to come, oral tradition; here the come with its age old civilizations; second, in their interpretation they firmly locate the origins of Islam in the convex of the world of late anti-quity, and refuse to accept the phassen at the time, both in their housen at the time, both in their thirties) are oble to put forward an equally revolutionary theory of the origins of Islam because of an analogous refusal to accept the traditional assessment of the available sources. Since none of the Islamic achieves and offer a chiracterization of the differing controls. sources are demonstrably early and so come under the suspicion that they could represent this end product of a period of growth; Drs Crone and Cook have preferred to ignore these and to subject the very scattered and fragmented information in non-Muslim sources, more or less contemporary with the events themselves, to intensive scrutiny and questioning. To anyone at all fauillar with scholarship on the origins of Christlanity, this sceptical approach will be nothing new; indeed, what is surprising is that this procedure has not been adopted with the some rigour before. As a result of this reevaluation of the spurces, as simple as it is radical. sources are demonstrably early and consciousness of ethnic and reliopurces, as simple as it is radical, set ubout creating a new civilization the authors come up with a truly of their own. startling account of the origins of the should be said that the argu-

from Arabic sources. The authors isolate a number of stages, each isolate a number of stages, each based on different conceptual models, through which Hagarism passed before it emerged as Islam. Islamic history", where the reader is taken from Medina to Calvin's The earliest stage consists in a messianic exadus, not from Mecca to Medina, but from Arabia to the Promised Land, Pulestine; the participants call themselves not Mushing that Malagara descendings of authors burning with a highly illuminate ing and immensely wide-ranging chapter of miles to cause a stage and immensely wide-ranging and



An illustration from a book of veterinary medicine on the diseases of

It should be said that the argu-ment of much of parts two and The book is sot out in three parts.

The first, "Whence Islam?", and can be considered independently of the reconstruction of part one; only in the final chapters of sources a portrait of "Hugarism", the procursor of the Islam familiar from Arabic sources. The authors is also an anather of stages onth

• In his epoch-making Die Geschichte Israels, published 99 years ago in 1878. Judius Wellhursen argued that the "Priestly Code" of the history above the Argued Code of the Israel of the Israel of the Argued Code of the Israel of the Israel of the Israel of the Israel of the Argued Code of the Israel of the Israel of the Argued Code of the Israel Phenomenon as a deus ex Arabaa. These are both things which few other works attempt to do with any real seriousness. This makes their hypothetical reconstruction particu-larly hard to assess, for historiums of late antiquity very rarely hav specialist knowledge of Islamic sources, and Islamic historiaus do not usually show any true aware-

noss of the intricate currents at work in the history of the late Roman and Sussanid empires. The authors themselves are both trained as Islamic historians, but nevertheless show a masterly understanding of the world of late antiquity in the analysis of which they draw on an amazingly wide range of sources. In the one area for which I can claim any competence, the Syrinc sources, it should be said that their

use of these sources is exemplary. History at this high level of abstraction cannot be written with-out the hidden foundations of knowledge of details, and it is eminently cleur that the nuthors possess such a knowledge. Whereas lesser scholars might have produced in part two, a reasonable enough picture built up of plansible generalities. Drs Crune and Cook offer a highly sophisticated critique, and only very rarely do their characterizations sound a false note.

based on different conceptual models, through which Hagarism shall be the promised Land, Pulestine; the participants set the theorem of the promised Land, Pulestine; the participants set the theorem of the promised Land, Pulestine; the participants set through which promised Land, Pulestine; through which promised Land, Pulestine; through the promised La Radical reassessments

Authors and materials

Historiography by Arnaldo Momigliane Basil Blackwell, 112.00 ISBN 0-631-17900-3

Arnaldo Monúgliano was professor of ancient history at University College, London from 1951 to 1975, and is now Alexander White visit-ing professor in the University of Chicago. Throughout his career his teaching and publications have inspired many students of ancient history. His articles, some in fadian and some in Fuglish, were first reprinted in the series Contribute atta storia deglish, were first reprinted in the series Contribute atta storia degli studi classici. A relegion of these was published under the title Studies in Historiography (1961). Now a different selection has been made, dedicated to his teachers at the University of Turin from 1925 to 1929, and with the Italian articles translated into English. teaching and publications have in-

know both the authors one audies and the historical unterial they have stanfed." N. alless to say. Mamigliano succeeds admicably in both these tasks. For example, in the article on the nineteenth-century schular J. G. Droysen, he reminds us of the important tact that Droysen was son of a Lutherau pastur and found his first wife and converts to Protestantism. Again in his article on the historian Ammianus Marcellinus he analyses the intellectual isolation of Ammianus in the late bourth remary AD, before embarking on

us main theme Mondetiano has elways been in terested in the philosophy of his ory. In the first essay of this collection be tells us that, when he was a stadent, Birell h historiaes specialized in the history of idea. ling sameone, perhaps Levis Namier, persuaded us that this was "an un-British activity", so German Ideengeschichte come to be in higher esteem. He also hits out at an American school of thought which implies that ideas can be

His interest in the mixture of differing traditions comes out in many essays. Thus "the fault of the Greeks" (title of the second essay) was that they were most unwilling to learn other languages. In "Eastern Elements in post-exilic

Jewish, and Greek, Historiograph. the entimisizes the interminant of cultation of stories by quoting the of Ahiqae (whom he soil, Achikar); there the notes might have mentioned the most convenient test, in The Appearapha and Pseul epigrapha of the Old Testament chired by R. H. Churles (1913, re printed 1963).

Cancer Ward by Jim McIntosh Croom Helm, £6.95 ISBN 0856644072 One of the most revealing papers was read in 1970 to the Ecclesian cal History Society, on popular religious beliefs and the late Roman In recent times, sociologists of medi-ciae have broadly moved away from the large social surveys of illness to smaller scale studies of greater to smaller scale studies of greater depth. It became apparent that the grossing up of individual experiences of illness produced only one aspect of the phenomenon of being sick and that more attention should be given to individual accounts. The social realities of sickness are highly contingent, many such factors as social realities of sickness are highly contingent upon such factors as income, life style, networks of social support, lob satisfaction, age, etc. Having learned these epidemiological lessons, sociological explanations were required which were unavailable from earlier modes of study. The work of sociologists like Becker, Strauss, Roth and Davis led the were to more sensitive interpretranslated into English.

To write a critical history of historiography", runs the last sentence of this volume, "one must know both the authors one audies and the historical nunterial they are some wife." But perhapt the comment that to teach him a lesson't cheria made him sign the size and the historical nunterial they comment that in Livy's comwith prodigies there was an elegaliterary pose is somewhat to

the way to more sensitive interpre-tations, but it took more than a decade for British researchers to The most controversial eightent contrary writer to be discussed a Chambarriota Vico. Some fifty was Finlayson and McEwen's study Finlayson and McEwen's study of the illness carcers of coronary patients and McIntosh's account of the hospital experiences of undisclosed cancer sufferers are each attempts to gain new insights from closer inspection. Neither subject is new to sociological inquiry, but in both cases there is certainly room for new research, especially the sort of cross-disciplinary work which was involved in the heart attack study. Sovery-six married men of Vica's Scienca Nuova was to b de lighted, exclaiming, "English an honest language, There will be nothing left of Vico!" Since Vio Uneve hardly any Greek, and many great deal of Greek history, it is not surprising that he painted a would. What is more surprisings that he, whom Momiglians right calls a Neapolitan pleheian, should have called the early Roman for Sovery-six married men of working ago who had been admitted to a Dundee hospital were interviewed six months after their first heart anack and again four years later. Their wives were interviewed

Finally a brief commen on Finally a brief comment on a word "Hellenism". Although a viewers have given this as a Benglish rendering of Gest Hellenismus; it is not genulationed days, as is the adject the period between the death of the period between the death of the parts. Most English dictionaries of in not an restricting "Hellenistic." in not so restricting "Hellenists The Encyclopucdia Dritannica has char distinction between the p

O. A. W. Dilke

Primary sources

caustic.

Unity, Heresy and Reform. 1378. 1460; the Concillar Response to the Great Schism by C. M. D. Crowder Edward Arnold, E9.95 and £4.95

ISBN 0713159413 and 59421

Historians must insist that their undergraduates and research stu-dents consult primary sources. To the many difficulties involved there

Martin V. All Europe took sides; the Ho

All Europe took sides: the lloy
Roman Emperors, England, Poland,
Hungary, Flanders, northern and
central Italy, and later Portugal for
the Roman line; France, Casile,
Aragon, Noverre, Scotland, Swo,
and for a time Portugal, for the
schismatics. This was the period
of a service of great Councils of the

Coronary Heart Disease and Pat-terns of Living by Angela Finlayson and James McEwen Croom Helm, £7.50 ISBN 0856644579

and phases of the illness and recovery processes.

As an essentially sociological study, Finlayson and McEwen sought to establish their extensive data in the theoretical framework of the concepts career and social network. However, their too brief discussion of conceptual matters leaves a lot to be desired. They do not come adequately to terms with the essentially interactive character of the notion of patient careers and the complexities of network analysis. While not marring the descriptive value of the data, this deficiency is none the less unfortunate. Medical sociology needs to move to a greater integration of to move to a greater integration of theory and empirical research and in this specific case the interpreta-tion (for example in dealing with "patient delay") could have bene-fited from a leavest

Contrary to the prevalent belief, heart attacks are generally not instantly dramatic unexpected events. Both the men and their families in this contrary. Both the men and their families in this study were aware of predisposing symptoms though these were commonly denied or rationalized. This important point is well drawn out, as is the family nature of the crisis and subsequent reshaping of domestic and (for most) work roles. Finlayson and McEwen also serve us well in pointing out the need for a more sophisticated conception of care of the coronary patient. care of the coronary patient.
Although few persist without further episodes of illness the conservative medical model encourages practices which take little account of the web of social influences which shape the remaining lives of coronary sufferors. while the mon were in hospital and again a year later. The object

The coronary crisis

was to identify the different ways in which people cope with the coronary crisis and how they and their families adapt to the social and psychological changes which accompany the deterioration most of them subsequently suffered.

After an introductory statement and two clear helpful chapters on reussessments of medical and reliabilitation practice, the book follows chronologically the stages and phases of the illness and phases of the illness and the ways in which staff nanaged their communication staff managed their communication in order not to refer to cancer. This was done through cavesdropping, casual conversations, observation of ward rounds and interviews with parients and staff.

The medical practice on this ward was not ro tell the parients the true miture of their condition except when it was very clear that they wanted to know—and many clearly preferred the optimism of uncertainty. Through the reported dialogue of doctors and patients, Melmosh provides an authentic, if sometimes laboured, account of the negotiation over information and reassurance.

He is obviously a painstaking fieldworker who organizes his material well, so that the reader gains a strong sense of the more active aspects of ward life. Yet on finishing his book I still felt the need to go through the whole experience from the patient's point of the most still be the patient's point experience from the patient's point of view and would have welcomed a small number of case studies to tie all the talk together. Similarly, while valuing the references to theoretical constructions from similar studies by Roth, Davis and Glaser and Strauss, I was disappointed to find that McIntosh does not add to our stock of conceptual tools. ceptual tools.

In these two contributions to the sociology of illness we certainly gain further insights into the ways people cope with serious conditions. Both provide excellent descriptive material, and in so doing press medical sociology further forward.

Malcolm Johnson

Enlightened self-interest

The Passions and the Interests by Albert O. Hirschman Princeton University Press, £7.80 ISBN 0691042144 and 003572

Communication and Awareness in

Professor Hirschman, widely known and respected us un expert in the field of economic development, has new or economic development, has now been enticed into the seductive realm of intellectual history. The present essay—with its subtitle Political Arguments for Capitalism below its Triumph—is the first-fruits of this new but not unrelated content.

Like many scholars before him, flischman is interested in the pro-cess by which the medieval cult of heroic virtues was replaced by e cult of the acquisitive drive and a commercial and industrial actithe which came to be associated t. His main emphusis here so the emergence of the impor-unt (and, as he believes, unduly negected) notion that the unfor-well busuit of private gain was a certain political dangers and disos-ters.

The origin of this notion, Hirschmon agues, is to be found in the view expressed by certain seventeenth-century moralists that the best way of controlling man's unruly passions was to set one off against the other—to use one set of controlling man's unruly harmless passions to congerval another more dangerous and destructive set. Soon after this few had been accepted, he suggests, the word "interest" came to be used as a generic term for these connervaling function.

Opposition between the same and controlled to the suggests.

Opposition between the two contepts, grew; "interest" became i
more narrowly defined, assuming
the sense of material economic adsantage; and exemptable the idea de sense of material economic advantage and eventually the idea Wenged that the pursuit of this tisenomic advantage or "interest" Proposion, if indeed it could really the said to be a passion at all—could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a passion at all —could in the said to be a e relied upon to counteract the as synonyms.

Meets of the wilder passions. In Hirschman

function of curbing the passionate excesses of the powerful, thereby preventing the ruin of society.

The three eighteenth-century thinkers whom Hirschman puts forward us the principal representa-tives of this idea are Montesquiou, Sires of this idea are Montesquion, Sir James Steuart and John Millar, whom he distinguishes fairly sharply in this regard from the Physiocrats and Adam Smith. With his treatment of Montesquieu and Steuart I have no-particular quarrel -except perhaps to say that it is by no means as novel as he appears to think. But his inclusion of Millar along with them is rather perversely grounded; and his trent-ment of Smith—a key figure by any standards—is far from satisfactory.

Smith, Hirschman admits, did on occasion produce a political, as distinct from an economic, justification for the untrummelled pursuit of individual self-interest. But he was not nearly so ready as Montasquicu and Steuart to hail the new economic ora as one that, would deliver mankind from abuses of power and wars; and, even more important, he "decisively undercut" this perspective and "in a sense gave it the county of wars?" by abandoning

other passions (about which he had written extensively in the Theory of Moral Sentiments) into the drive for the "augmentation of fortune". Higschman apparently believes that in the Moral Sentiments Smith persuaded himself that all the main buman drives ended up by motivating man to augment his fortune, and that this was the basic reason why interests came to dominate the Wealth of Nations and were not distinguished from passions. In one passage, indeed, Hirschman tells us, Smith used the phrase "interests and passions" in such a way us to suggest that he was treating them as avonousness.

Hirschman reads far too much

particular, it could perform the vital into this phrase : Smith's language was hardly a model of precision or consistency. But the best reply to his argument is simply to refer to part six of the Theory of Moral Scattments (written long after the Wealth of Nations), in which the Wealth of Nations), in which the passions reappear unmistakably in their original uncollapsed form, and a good deal of emphasis is placed upon the way in which they may be countervailed or restrained by prudence —the characteristic particular according to Smith of excellence, according to Smith, of the man pursuing his own economic advantage or interest.

At quite a number of points in

At quite a number of points in his narrative, Hirschman writes conjectural history of this kind, constructing "episodes", "points of culmination", "comps de grâce", etc, out of a few comparative, etc out of a few comparative, solated sentences. He is also too apt to claim that the mere domonstration of a logical connexion between the construction of a logical connexion between tween the seventeenth-century
"principle of the countervalling
passion" and the eighteenthpussion" and the countervalling pussion" and the eighteening commence and industry by Montesquiou and Steuart, is sufficient to show that the ideological change involved was essentially endogenous and continuous. The Marxian and Rues, is to be found in the distinction between interests and passions upon which it had passions upon which it had "reconstruction" as he would have been based.

We be a contain clarm and the conta

In the Wealth of Nations, Hirschman claims, Smith treated men as scholarly panache about Hirschmania in effect collapsed all the assumption of the passions (about which he had a number of his points are certainly specified extensively in the Theory worthy of further thought and a number of the passions.

Quality control

A Question of Quality? Roads to Assurance in Medical Care edited by Gordon McLuchlan Oxford University Press for Nuf-field Provincial Hospitals Trust, £9.00 ISBN 0-19-721393-6

For the patient, the difference between good and had medical care can be a matter of life or denth; or at least of the quality of life. After a helpful introduction by Gordon McLachlan, which explaies the complex concept of "quality of care", the main part of the book follows—a dozen essays on schemes concerned with examining the quality, and/or raising the standard, of medical care provided. All but one of these are concerned with British experience. The exception is concerned with the United States (Brook and Avery).

The essays on British experience deal mainly with three areas. First, the regular review of case histories, particularly where death or com-

the regular review of case histories, particularly where death or complications arise, to identify factors affecting the success and failure of care. The confidential enquiry into maternal deaths discussed by Sir George Godber falls into this category. Second, the continuing education of doctors as a means of ensuring rapid dissemination of lessons learned—motivation is particusons learned—motivation is parricu-larly important here as, unlike some other professions such as airline pilots, which involve responsibility for human life, on established doctor does not normally have to sub-mit to further tests of competence, despite rapid advances in medical knowledge and technology. Third, the role of the administrator in pro-viding a framework for good quality varie and routine information to enable cliniclans to monitor aspects of their work.

Some of the essays present a slightly sad picture of administrators trying to interest clinicians in

information they never saw much point in collecting anyway, Perhaps this is because administrators and clinicians tend to approach quality of care from different viewpoints the one in terms of effective use of limited resources and the other in terms of standards of care pro-vided to individuals. Within the National Health Service, a seems that there is a problem of providing

in America, by contrast, Brook and Avery suggest that a major factor in recent development of cost and quality assurance schemes has been the emergence of the federal been the emergence of the federal government as a purchaser of care, from predominantly independent doctors and institutions, on behalf of certain groups such as the elderly. It seems that the federal government has tald down condi-tions for these "contractors" as government has taid down condi-tions for these "contractors" as regards participation in quality and cost control schemes (though leav-ing much of the detail to be worked out by clinicians); an approach not unlike that adopted for suppliers of other goods and services which it buys. It remains to be seen how the British approach, largely local and informal in character, will com-pare with the more sophisticated schemes being developed in the United States; and the book does not say what is being done in this respect in other European medical care systems.

This is an informative and stim-ulating book which repays careful reading. Its understanding approach to the sensitivities of clinicians will probably make it all the more effect tive in achieving one of its declared aims of "challenging the medical profession to explore the means to quality control in a more systematic way then hitherto".

John Bevan

Education in Europe: Recent Studies

Patterns of Equality: The influence of new structures in European higher education upon the equality of educational opportunity Guv Neave

This is a six-nation study of the policies of innovation in higher education in Europe and the USA, it examines how far new structures and new types of institution have managed to realize a greater measure of equality of opportunity.

Register of Educational Research in the United Kingdom 1973-1976

National Foundation for Educational Research in England

The register has been compiled by the NFER, and was funded by the Department of Education and Science and the Social Science Research Council. It contains over 2,000 entries of recently completed and current research in the UK, spanning the years 1973-1976. £12.00

European Trend Reports on Educational Research: Published on behalf of the Council of Europe

Current Trends in European Pre-School Research Karl Gustaf Stukat

This report gives the best possible feel for developments now taking place in Pre-School Education in Europe. The emphasis is on applied research, including selected basic research. £2,00

The Dissemination of Curriculum Development: Current Trends

Rudduck and Peter Kelly, Edited by Jack Wrigley an Freddie Sparrow

By presenting a selection of case-studies from France, Denmark, Ireland, The Netherlands, West Germany, and England and Wales, this book gives an insight into the problems of the dissemination of curriculum development from a European point of view, It could well turn out to be a book that has significant influence on future developments. £4.00

Educational Assessment Karlheinz Ingenkamp

A critical review of trends in the educational assessment of pupils and students in Europe. It contains a list of 700 research studies, many of which are not available elsewhere. Publication : August 1977

Please send your orders and cutalogue requests to: NFER Publishing Company Ltd 2 Oxford Road East Windsor, Berks, England SL4 1DF





|B00K8[

A search for common ground

edited by Robin Milner-Gulfand and ISBN 0 14 00 4174 5

There will be few devotees of Soviet literature who make no discoveries within the pages of this valuable anthology or derive no stimulus from the associations it throws up, For those less well-informed it has immeasurably more

Over 40 authors are represented, some by more than one work. A commendable reluctance to rely capacity of Russian literary life for instantaneous political engorgement has prevented the editors from including examples from the longer literary genres. On the other hand, the vitality which they discern in recent Soviet writing has been more obtrusive in various. has been more obtrusive in verse and the shorter prose forms than in drama and the full-blown novel. Moreover, their selection is enhanced by a judicious sprinkling of non-

do with fellow-travelling, cold-warfare or callow Parnassianism. The capacity of Russian literary life for

editors reject a straightforward classification, by chronology, by literary-political landmark, by genre drama and the full-blown novel.

Moreover, their selection is enhanced by a judicious sprinkling of non-literary materials, memoirs, interviews and criticism.

The larger part of the items included was first published in the Soviet Union and few of the names represented would in themselves

classification, by chronology, by ditterative in their simple of the particular they have decided that the often contentions distinction between "official" and "unofficial" Soviet literature cannot usefully be maintained within this volume; accordingly, the Soviet Union and few of the names shenko and Solzhenitsyn which were shenked and Solzhenitsyn which were shenked and Solzhenitsyn which were solved to find selections of the statin iceberg in the fifties. The agony of war restored contact between Soviet literature and generations" we are introduced to open up vistas.

The first part, "Writers in their generations" we are introduced to open up vistas.

The first part, "Writers in their differs part, "Writers in their decided that the often contentions distinction between "official" and "unofficial" and "unofficial" Soviet literature cannot usefully be maintained within the open up vistas.

The first part, "Writers in their decided that the often contentions distinction between the literary in the literary point exponents of the new prose and that other trauma, the thawing of the Stalin iceberg in the fifties.

The agony of war restored contact between Soviet literature and generations we are introduced to open up vistas.

The first part, "Writers in their the open up vistas.

The first part, "Writers in their the open up vistas.

The literary-political landmark, by genre of the literary in the literary in the literary in the literary and open up vistas.

The first part, "Writers in their the open up vistas.

The first part, "Writers in their the open up vistas.

The first part, "Writers in their the open up vistas.

The first part, "Writers in their the open up vistas.

The first part, "Writers in their the open up vistas.

tain lumpiness in the overall design and arbitrariness in the placing of individual items is readily acknowledged by the editors and must be weighed against the real benefit it brings, an overlapping and cuntulative awareness of the contours of the period. Moreover, a narrative thread is sustained by the interpolation of brief editorial notes which serve to introduce specific authors and works, while also periode individual interpolation of the placing of the placing of the contours and Antokolsky ("We who dispenses which serve to introduce specific authors and works, while also periode individual interpolation of the placing of Europhurg's powerful and controlled interpolating powerful and controlled interpolating powerful and controlled interpolation from Elizabeth and controlled interpolation of the placing of Elizabeth and controlled interpolation from Elizabeth and controlled interpolation of the placing of Elizabeth and controlled interpolation from Evushenko's "Precocious Autobiography" and Autobiography and Elizabeth and which serve to introduce specific

authors and works, while also permitting cross-reference and wider
orientation. The route may wind,
but it is well signposted and does

orientation. The route may wind,
but it is well signposted and does

The 1960s do not form a welldefined literary-historical whole
and the editors have preferred to
convey their flavour piecemeal.

Thus, in part two, "Writers in their

offend the Soviet literary establishment. At the same time, a Soviet reviewer could not but remark the press together with others which out in the remark; far to the collection of facades, was an essential preliade to the celebration of facades, was an essential preliade to the celebration of the filler of this decision, greater consistency in indicating an essential preliade to the celebration of the more public and patients of communities to the fill the press together with others which out in the remark; far to the collection of facades, was an essential preliade to the celebration of the more public and sixties. This evolution is well litterated to a range of examples, from the gentle, Chekhovian yearning of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1956; its "today" of Paustovsky's "The Rainy Congress of 1

They had never heard of Kafka

A Decade of Euphoria Vesticin Post-Stalin Russin, 195464

Indiana University Press, £13.15

ISBN 0 2253 1875 8

A indiana University Press, £13.15

Indiana University Press, £1

7

ፎ

Ţ.

8

of Wearns (Jacons, etc.) "In the control of the con

Riddles of the brain

Danini and Grachey?

Recent Soviet literature tends attract, if not abuse, then fe prinise for its "convenional tues", its robust forms, steprilines, patriotic grains religiously does nothing else this grains and grotesque (Slnyarsky), given and grotesque (Slnyars

of the same sort of physiological and phatomical work that he describes so well. But there is an alternative and complementary represent, of which he makes little acknowledgment: one can try to formulate in precise terms what formulate in precise terms what infer its mention augh this method was materially applied by two siologists, Pavlov and crington, many modern aysiologists are peculiarly revisit and to it. Yet the knowledge that a particular function is localized in neutology has more than kept pace with the rest of medicine.

In one part of the brain is of itself no holp in understanding the mechanisms involved; at best, it can only be a useful first step to more decalled behavioural, neurophysiological and neuronantomical work that may help to unravel the understanding the mechanisms involved; at best, it can only be a useful first step to more decalled behavioural, neurophysiological and neuronantomical work that may help to unravel the understanding the microscope can new be shown in that if we could be a second in the present of the conventional light microscope can new be shown in this way identified in the brain recomplishing processes. Blakemore gives in this way identified in the brain recomplishing processes, and the same processes of the view that affective and even schizophrenic disanders have a biochemical basis, the diagram remains in the remains in the remains in the remains in the processor of the view that affective and even schizophrenic disanders have a biochemical basis, the diagram remains in the processor of the view that affective and even schizophrenic disanders have a biochemical basis, the diagram remains in the remains in the processor of the view that affective and even schizophrenic disanders have a biochemical basis, the diagram remains in the processor of the view that affective and even schizophrenic disanders have a biochemical basis, the diagram remains in the processor of the view that affective and even schizophrenic disanders have a biochemical basis, the diagram remains in the processor of the view that affective and even schizophrenic disanders have a biochemical basis, the diagram and the processor of the view that affective and even schizophrenic disanders hav

is contemplation of Beshed.

Michael Nicholar

M

On our nerves

Brain's Diseases of the Nervous Systen, Eighth Edition revised by John N. Walton Oxford University Press, £17,50 ISBN 9-19-261309-X

and to infer its underlying logic.

Although this method was first systematically applied by two physiologists, Paylov and Sherrington, many modern physiologists are peculiarly resistant to it. Yet the knowledge that a particular function is localized in one part of the brain is of itself no

only be a totalled behavioural, neuronal detailed behavioural, neuronal more of merely observed by the convention of neuronal place in such a textroural merely observed by the convention micro-tope can now be shown nicro-tope can now be shown nicro-tope can now be shown nicro-tope can newly observed by the convention micro-tope can newly observed by the electron micro-tope can neuronal detail by the electron micro-tope neuronal detail of the brain neuronal detail of the brain new son and even schizophrenic disarders with no known cause like orders los of neuronal deven schizophre

procise diagnosis is possible.

This new edition, some 200 pages longer than the last, raises the question of whether, even in a restricted on the whole. subject such as neurology, one author can provide a complete and up-to-date review of the essential

known facts. I suspect that there will be fewer single volumes of this kind in the future bin Professional sor Walton, aware of the importance of Lord Brain's original book has, with bis wide ranging knowledge and thoroughness, brought the task to a successful conclusion.

It is impossible to do justice in a review to the many revised sections now included but new techniques of study have resulted in striking advances in the field of neuromuscular distorders in which Professor Walton is marticularly experienced. Same

for treatment in this common disabling neurological disease. By other scientific techniques the chemical environment of herve cells at rest and during the generation of nerve impulses has been studied and the results have added to our knowledge of brain disturbances.

In the field of clinical investigation this volume describes the British invention, computerized axial tomography. This is the greatest neurological diagnostic advance since the invasive and not entirely risk-free techniques of carollal angiography and airencephalography. Using this new technique in 20 poin-free minutes the shown clearly and the nature of abnormal tissue, whether oedema, blood or a tumour can often be demonstrated with such clarity that precise diagnosts is possible.

This new edition, some 200 pages.

The revision of the sections on the treatment of common neurological disorders and the extensive biolographies with up-to-date references are particularly welcome. Treatment of many common neurological disorders which has often been regarded as pelicial disorders which has often been regarded as pelicially beautour been regarded as pelicial disorders and the extensive biolographies with up-to-date references are particularly welcome.

Treatment of many common neurological disorders which has often been regarded as pelicial disorders and the extensive biolographies with up-to-date references are particularly welcome.

Treatment of many common recursions to the process are particularly welcome.

Treatment of many common trunces to be inverse and the extensive britances.

Treatment of many common trunces are pelicial disorders and the extensive britances are permitted asp m an almost impossible task and can rest assured that he has done excellent justice to the aims and intentions of Lord Brain, Practising neurologists will find his revision of this unique book a necessary companion both for reference and instruction,

Roger Bannister

Mechanisms of memory

"flouse of stairs" by Maurits

In the second half of the book, on moves that he makes are not strong

Reviewers

John Bevon, co-author of Appointment Systems in General Practice, is senior lecturer in quantitative social science and assistant director of the health services research unit at the University of Kent; Sebastian Brock is university lectu-

rer in Aramaic and Syriac at the University of Oxford; R. A. Faurell is fellow of Corpus Christi College and reader in mental

Sir Rager Bannister is consultant Maurice Hookham is lecturer in poli-neurologist in several London has ties at the University of Leleaster; pitals; ties at the University of Lelester; Geoffrey A. Hosking is director of Russian studies at the University of Rssex; Ronald L. Meek, author of The Eco-

nomics of Physiocracy, is Tyler pro-fessor of economics at the University of Leicester; Stuart Sutherland is professor of experimental psychology at the University of Sussex;
Lewis Thorpe, professor of French
language and literature at the University of Nottingham, is author of
The Life of Charlemagne.

THE VIKINGS IN BRITAIN H.R. Loyn

The author, President of the Historical Association and Professor Medieval History at University College, Cardiff, describes the course of Viking invasions on Britain, and assesses their long and short-term effects. £5.95 hardback £2.75 paperback

TECHNIQUES OF ARCHAEOLOGICAL EXCAVATION Philip Barker

Amateurs and professionals have long needed this ambitious guide. Here is a complete systematic description of excavation - from the initial fieldwork to eventual publication. £8.95 hardback £4.75 paperback

1300038

What's wrong with Britain?

In Search of the Constitution : Re-Britain by Nevil Johnson Pergamon, 26.50 ISBN 0-08-021-379-0

Nevil Johnson is In Search of the Constitution, or rather of a new constitutional settlement, and to this end, as in his subtitle, gives us his reflections on state and society in As he says, there was a time when

the "British crisis" could be shrugged off as a national propensity to grumble which concealed an inner confidence in the future of accustomed ways. He does not add -though he might have done-that this style of mock self-deprecation is itself part of the British disease. Now some reality is breaking in. Though only some. Were the jubilee junketings further evidence of self-deception among the establishments that run the country or a
deliberately administratel sociative
deliberately administratel sociative
course of our troubles has been the deliberately administered sedative for the humbler citizen? If only ir were the latter—that, at least, would be evidence of realism in the

In any case, it seems clear that our economic problems are not the result of ad hoc mistakes in policy making but the natural product of an ineffective policy making system. The "what's wrong with Britain?" literature has identified a variety of causes, often social rather than political; thus G. C. a variety of causes, stein social rather than political: thus G. C.

Allen's recent attack on the public school-Oxbridge background of managers—and the social values these institutions represent—as a factor in relative industrial decline for almost 100 years. Johnson, for his part, sets out to examine the continuous representation of the country processes of the country of a par with introduct rights.

That may be my prejudice. Johnson's point—and his prejudice—is that unlike Germany, guided intentional prejudice—is that unlike Germany, guided into a decision against the market principle of the constitutional restriction. processes of the country and the institutions in which they are embodied; his focus is the prin-oples on which our political institu-tions rest, otherwise boosely known as the British Constitution.

We have gone through a period of constant examination of the governmental system and constant reform. The list of reforms is endless. In the last resort, however, they have added up to little more than tinkering with the machine. The physician, Johnson aright say, has treated symptoms rather than the discuss—and while this generally works in medical practice, it seems less effective in government. seems less effective in government. The policy-making process has not improved as a result of machinery of government reforms. Disappointment has been the general ourcome of reorganization.

One reason for this has been the ad hoc nature of reforms and their

superficiality. The broad framework of the system—the constitution—has been taken for granted. As Johnson says, the hollowness of claims made on behalf of many recent reforms lies in the fact that they raicly examined the principles underlying the institutions to be reformed. Now that our backs are economically to the wall, some are beginning to wonder whether the walls themselves are not crumbling.

walls themselves are not crambling. This is Johnson's point. The state has become like a concrete façade, imposing if viewed from a distance, but revealing itself dilapidated on closer examination. What needs rebuilding, then, is the house of state itself. Our problems will not be religible by finding better men he solved by finding better men to govern us or by improving the techniques they employ. We must rethink fundamental principles. We must rewrite the British Constitu-

Having said that, Johnson turns from political arrangements to poli-tics. Economic and social errors (which means political value op-tions) have undermined our system cause of our troubles has been the failure to recognize the importance of economic performance (distribution before production) and the haphazard pursuit of egalitarianism (welfare before enterprise) since the war. We move rapidly through a version of free enterprise liberalism of the sort that has captured the Conservative traditions as careerists of the lower middle class replace an upper class which put social duty on a par with individual rights.

He is aware of the problem. A real crisis—social and political, as well as economic—might force reforms upon us, whether through the impersonal logic of needs or the personal intervention of right-minded leaders. But we have not reached that stage of crisis yet—and if we did, we are less likely to get the "constitution of liberty" that Johnson wants than some forms of dictatorship.

Meanwhile, however, pursuit of

apparatus-infrastructure superstructure.

Whichever way round the two are celated, Johnson's prescription has difficulties. He believes that the British disease can be treated by political reform. Institutions shape—and are designed to shape—behaviour, he says rightly enough: so changing the institushape—and are designed to shape—behaviour, he says rightly enough; so changing the institutional framework should modify our falkacious hobits. But how is institutional reform on this scale to come about? What is needed, as he declares, is not superficial tinkering but a fundamental restructuring of the constitutional order. What will induce the patient to sake this medical declaration to be sake this medical content of the sake this medical contents. uce the patient to take this medicine? As we are no dictatorship (of left or right), the patient must heal himself: Doctor Johnson can only prescribe.

Meanwhile, however, pursuit of the "what's wrong with Britain?" debate may help. True, those in the driving sent of government, and those aspiring to it, still pretend that an adjustment here, a com-promise there, will do the job; past experience suggests little willdecision against the market principle after the war. (Here, as in some of the constitutional restruction of the constitutional restruction of the suggests. Johnson is rather more of an admitter of Germany than those of us with other prejudices might be.) Governments, Conservative no less than Labour, have all tried to steer the economy. Their steering has been poor and the British car is now laps behind its competitors in the economic race.

Johnson, however, does not see economic fadure and escelal conflict as the result of bad driving (mistaken menagerial decisions): he believes that we should not be driving at all (government management of the economy is itself a mistake).

There can be no liberal coffectivism and welfare are the slippery slope to serfdom but because plauning and welfare are the slippery slope to serfdom but because they sap initiative on the one hand, create demands impossible to satisfy, thus insoluble social conflicts, on the other.

What is less clear in Johnson's

other. brought into the constitutional What is less clear in Johnson's order, and a new balanco between

the PPI

The Emergence of Political Cal-licism in Italy: Partito Popul Italiano 1919-1926 by John M. Molony

not to prescribe specific reforms, even at this grand level. What we must do is to explore the constitutional principles which, translated into governmental institutions, would redirect the process of politics. How to set about this task? As he says, it is no easy thing to rediscover—or invent afresh—a language in which constitutional rules can be expressed and justified. The language he wants is that of the "constitution of liberty" (for which read limited state), which he believes is also the constitution of prosperity. We have no Locke, Mill or Smith: but there is Hayek, increasingly quoted (though probably only read for quotations) in the new Conservative party. chiefly to the Cathor man large sectors of which the of a cently been enfranchist which

tened.

Besides Sturzo himself (a possessing many though als of all fractate do not of the gifts of a first at do to leader.

supported in Parliames allowed some of its leaden supported in Purliamer if allowed some of its leadernal part in, cabinets which weits lived and weak, and did may implement the popular's phirit denied its support to ast combinations which might more successfully resisted ben of fuscism. Its opposition to said was sincere, and occasion courageous and far-scoing; he was inconsistently implement (PPI politicians even held post the first Mussolini cabinel, sultimately posed no obstacle betakeuver (which was preceded the forced resignation and the scale of Sturzo, and followed the dissolution of the PPI is wore the lack of unity in the part and the Holy See's decision to the "man sent by Providents". John M. Molony (an Australia Helius Mussolini.

John M. Molony (an Australia Institute PPI's story. His work, larger or Sturzo before his exile, is good of Sturzo before his exile, is good of analytical significance; of story means in the research designs to the sources and the research designs to the sources

algnificant appl.

I significant appl.

I significant appl.

I fone considers by the considers of the process o

Failure of

Croom Helm, £7.95 ISBN 0 87471 943 7

were now permitted by head to take part in national factors. From its constitution was to fascist take-over, the PPI was to We may, of course, disagree with Johnson's diagnosis of the causes of postwar economic ills. We could look to the France of Mollet and cessful enough at the poll to be the technocrats as well as the Ger-many of Erhard and the privateers. We may also disagree with some of come a major component of the its supporters a relatively no organized medium of policid s bis political values. A socialist could write a "Johnson through the look-ing glass" in search of new constituorganized medium of policial pression, fairly effective in puzzing, and benefiting from auxiliated political mobilization auxiliated political mobilization auxiliated political of the party system lengoyed the sympathy of something in the control of the party system lengoyed the sympathy of something in the party of something in the party of the party of something in the party of the party of something in the party of the party of the party of the party of something in the party of the party of something in the party of the party of the party of something in the party of the party of the party of something in tional principles for a society less unequal, less competitive, less selfish, less atomistic, less materialis-tic, less shortsighted than Germany

or Britain today.

That is no critique of Johnson. The weakness of his position—and he does not really hide it—is that intelligent reflection will not move mountains unless natural forces are preparing a landslide at the same time. We are not going to rebuild the house of state. We are not even going to rewrite the constitution. Adjusting the machine—within the framework of established and unexamined principles, without arousing too much conflict or suspicion ctatic statesman), its leaders comprised a number of used and competent politicians. At local level it could draw upon support of the clergy and divast network of "catholicate" union of competative leagues.

Yet the PPI was a failed it supported in Purliamer of the purliamer of the supported in Purliamer of the competation of the comp

Ing too much condict or suspicion—is probably all one can do.
Granted, most such reforms have been a disappointment. Not all-There may be some learning with experience, so reforms may get better. As awareness of the British crisis grows, so reforms may get bigger also. bigger also.

To fivis process of reform the inventive students of government may contribute, as may Johnson himself. A rationalist at heart, I would like to preach Johnson's fundamental rethick mysolf; a pessimist also, I end reluctantly in the Pabian position, But—and it is not an afterthought—I whole-heartedly recommend h. Scarch of the Constitution to students of governments. eroment and concerned citizens

Classified Advertisements Index

Appointments vacant Universities Fellowships & Studentships Polytechnics Technical Colleges Colleges and Institutes of Technology Colleges of Education

Colleges of Further Education

Colleges and Institutes of Higher Education Colleges and Departments of Art Research Posts Administration Overseas Adult Education Librarians General Vacancies

Appointments wanted Other classifications Awards Announcements **Exhibitions** Official Appointments Personal Courses Holidays and Accommodation

Universities

OVERSEAS TEACHING POSTS

PROGRAMME, KING ABDUL AZIZ UNIVERSITY, JEDDAH (SAUDI ARABIA)

This Programme has been developed over the past 2 years with British Council professional support and has involved the production of specialised teaching materials for the implementation of English-medium courses in the Faculties of Engineering and Medicine.

MATERIALS WRITER

Required for September, 1977. one writer will be responsible to the Director for the overall design, construction and implementation of the academic programmes. Duties will include course design, adaptation of existing programmes and materials and some familiarisation teaching at all levels of the Programme. Periods of the contract will be spent in Britain responsibility aducational techniques and materials. The writer will be responsible to the Director for the

and materials.
Candidates, mon only, must have a Masters Degree in TEFL or Applied Linguistics or a higher degree in Science. They should have a thorough knowledge and experience (at loast 5 years) of existing ELT materials with particular relevence to those designed for students of science and technology.
Salary: £8,794-£13,494 p.a. according to qualifications and experience and proportions of time spent in and experience and proportions of time spent in Jeddah and London. There is no local taxetion. Benefile: free furnished accommodation (single candidates will be required to share); 60 days annual leave. 1 year contracts probably renewable.

TEACHER OF TECHNICAL ENGLISH (Morocco)

înstitut National de Statistique et d'Economie Applique (INSEA), Rabal

BA/BSc degree, I year postgraduate qualification in TEFL or MA in Applied Linguistics and relevant experience especially in ESP. A good knowledge of French is essential.

EDINBURGH

REGIOS CHAIR OF

BOTANY

System includes an declarate the first the fir

Further parliculars of the minularment and be obtained from the Secretary. Society for the following the first the Secretary. Society for the first the firs

THE BRITISH COUNCIL

DURITAM

THE UNIVERSITY

RESPARCH ASSISTANT

exchange DH 7.8 equals £1).

Benefits: installation and repatriation grants; 1 year contract renewable. 77 C0 132.

ENGLISH LANGUAGE SUPERVISOR

(Thailand) Teacher Training Department based at Lampang

Teachers College.
Degree in English or Modern Languages. Posigraduate
TEFL qualification and minimum 6 years' experience. Salary: £4,589-£5,618 p.a. Benefits: overseas and children's allowances; free accommodation; medical scheme; superannuation; 2 years' contract. 77 PT 7.

RADIO CORRESPONDENCE EXPERT

(Thailand)

Ministry of Education, Bangkok Graduates with at least 3 years' experience in Radio Education preferably in a developing country. Salary: £5,210-£7,054 p.a. Benefits: overseas and children's allowances; free

accommodation; medical scheme; superannuation; 2 years' contract. 77 PE 15. LECTURER/PROGRAMME ORGANISER IN ELT AND ESP

(Tunisia) The English Department, Bourguiba Institute of Modern Languages, University of Tunis To direct a materials Production team and lecture

in ELT and ESP. UK degree, postgraduate qualification in ELT and at least 5 years' experience in ELT and ESP including materials production essential. Good knowledge of French and/or Arabic desirable. Preferred age range 25-40. Salary: £5,210-£7,054 p.a. plus 10 per cent inducement

Benefits: free accommodation; overseas and children's allowances; and other benefits a years, contract renewable: 77 GU 21:

Return fares are paid. Local contract is guaranteed with the British Council. Please write, briefly stating quoting relevant reference number and title of post for further details and an application form to The Brilleh Council (Appointments), 68 Davies Street, London W1Y 2AA.

EXETER ESSEX THE UNIVERSITY TEMPORARY LECTURER IN THE DEPARTMENT LANGUAGE AND LINGUISTICS DEPARTMENT OF, Applications are invited property lectureship in the Department of Longuage and Longuage and Longuage and Longuage from the Department of Longuage and Longuage from the Longuage from the Longuage and phonomers and phonomers and phonomers and phonomers and phonomers and phonomers of the Longuage from the lower part of the Longuage from the Longuage from

UNIVERSITY OF GUYANA Vacancies

Department of Geography

Applications are invited for the following positions in the Department of Geography.

1. CARTOGRAPHER/LECTURER IN CARTOGRAPHY

Applicants should have several years' experience in practical cartography plus the ability to lecture in practical and theoretical aspects of the field. Duties would include production of maps and supervision of the work of the cartographic office (which performs a service function to other sections of the university).

Qualifications. Preferably a Master's Degree, but applicants with a good Bachelor's Degree and technical training in Cartography would be considered.

The appointce would be expected to assume duties in September/October, 1977.

2. LECTURER - PHYSICAL GEOGRAPHY

Either a Geomorphologist or a specialist in soils, pre-ferably with some Biogeography. Tropical experience would be an asset. The successful applicant would be expected to lecture

to undergraduate students and conduct field trips/camps in interior Guyana. Good opportunities exist for individual and research and possible collaboration with Government and other agencies on specific projects. Qualifications. Preferably a PhD Degree but applicants holding a Master's Degree will be considered especially if they are willing to work towards a PhD using Guyaneso

The successful applicant would be expected to assume duty in September/Octuber, 1977. SALARY SCALE

Lecturer-UA3 : G\$9,000 by G\$480 to G\$14,760 per

Point of entry on the scale would be determined by qualifications, relevant experience, research and publica-ions. (G\$2.55 equals US\$1.)

Benefits include housing allowance, contributory pension and medical schemes. Anyone recruited from overseas will receive up to four full economy air passages (i e, for himself, wife and unmarried children up to 18 years of age) from point of recruitment, limited removal expenses and a settling-in allowance.

Applications (three copies) stating name, date of birth marital status, qualifications and dates obtained, work experience (with dates), names and addresses of three referees (one of the referees must be your present or last employer where applicable), must reach the Personnel Section, University of Guyana, PO Box 841, Georgetown, Guyana, South America.



DEPARTMENT OF TEMPORARY

LECTURERS (2) TRANSPORT MARITIME TECHNOLOGY

Salery: £3,333-£6,655 **DEMONSTRATORS (2)**

GEOGRAPHY TRANSPORT Salary: £2,904 : £3,119 : £3,333

Requests (quoting Ref. THES) for details and application form to Personne Section (Academic) UWIST, Cardiff CF1 3NU. Closing date: 19 Aug., 1977. Applications are invited for the second Chair of Civil Engineering terrable from let October, 1977, or such later date as may be arranged. This Chair will be vacated by Professor A. A. Weils, F.R.S., on his appointment as Director-General of the Weiding Institute.

The Engineering Departments at Chesin's have recently been selected by U.G.C. to develop for 1979 an additional high quality first degree course with which the Department of Civil Engineering will be associated.

Candidates with Interests and practical experience in any of the recepting will be associated.

Candidates with Interests and practical experience in which the Department of Civil engineering are invited to apply. The seary is within the usual professorial range with contributory pension rights undor FSSU/USS. Assistance is available with removel expenses.

Closing date: 17th September, 1977, Futher particulars may be obtained from its Persannel Officer, The Queen's University of Beligat, BT. 1NF. Not nor ireland. (Please quote Ref. THES/77.)

SELFAST-THE

Civil Engineering

QUEEN'S UNIVERSITY Chair of



The appeasement years in France

France and the Coming of the Second World War 1936-193
France and the Coming of the Second World War 1936-193
France are the world war 1936-193
France are the world war 1936-193
France are the second world war 1936-193
France are the world war

MURDOCH UNIVERSITY

Perih, Western Australia

Mindoch University, Western Australia a acond university admined in literal students in Fabruary, 1975. The University is domined to liabing a fresh approach to higher aducation, with log got rasponding directly to the conditions and needs of the lab least conduct. This is reflected in admirston policies, engagements of study, philosophiles of lab least recruitment of stall. The University is organized on a system of schools of study, at the Dean of study is the Dean of such school having both academic and administration possibility.

Applications are invited from suitably qualified persons for 13 feeling position which MAY DECOME AVAILABLE on 1st February.

SCHOOL OF SOCIAL INQUIRY

(Denn : Professor G. C. Bolton)

LECTURESHIP IN SOCIAL &

The School of Social Incorp Congruence of study is Second and Political Theory, Economic's, History and Professor The Social and Political Theory, Economic's, History and Professor teach 's social and Political Theory in the Incorp could be sengered to core courses in Social and Political Theory (both detailed and contemporary) and who can also continue to the development of intenties defined a common porary) and who can also continue to the development of intenties defined a common to the first theory of the intenties defined and the intenties defined the intenties and the intenties of Australia Society; Penciu and Conflict Studies and the Individual and Society (In supportates would thus have constitutionable transformed and society librations in a variety of annual Society Piliutions in a variety of annual Conflict Studies supportangulation, similar access the society of appointment include supportangulation, similar access.

Conditions of appointment include superangulation, similar to FSSN long satisfice deave, assisted study leave, payment of tass to receive appliation and dependent family, removal and settings FSS arces and house purchase actions.

arces and house purchase scheme.

PROCEDURE FOR APPLICATIONS: There is no presented or a tion form, but TWO COMPLETE SETS of detailed applications of the appropriate reference number, including full personal relations of territory qualifications, career history with descriptional held, more of special compotence and historia, reserved in the complexity of processional institutions or sociolos and possibility in these institutions or sociolos and possibility in these is list of relevant material published by applicant, when exaliable to take up appointment if official ring names and addresses of three professional referes the description in Personnel Officer, Merchaelt University, Muddet, were Australia, 6153, by 19th August, 1977.

Applicants should require the fibral professional referes to explanational requires the fibral professional referes to explanational officer. Murden by applicants should require the appropriate reference number is represented Officer, Murdech University.

Applicants resident in the United Munders, Europe of Afres, the

Applicants continue in the United Stophesia, Europe of Africa Francisco of application should also furward ONE further copy to be Assuration of Commonwealth Universities (April), 36 Octo Square, LONDON WCIII (1991), from whom conditions of approximate to obtained.

UNIVERSITY OF THE

WEST INDIES-

BARBADOS

DEPUTY DIRECTOR

OF THE INSTITUTE

OF SOCIAL AND

ECONOMIC

RESEARCH

(Fistoria Caribborn) to the Faculty of hordint Schmeen the purson appointed will be statemed in Balbories and will be responsible to the Objector at Mona for the resonal personal manner of the Lastern Caribborn Institute. Gard datos about the opposition of the fastern Caribborn Institute. Gard datos about the Grant of Gard dates about the opposition of the about the opposition of the opposition oppos

nete of birth marine status and the names and addresses of three referees should be sent as soon as possible to the Regularitat. University of the West Indies Mona Kingaton 7, Januales Further particulus of the Net Indies Further particulus of the Net Indies In

the post are available from the Same source of from Inter-Uni-county Congret 2076; Tollandom Count Head, Landon WIP ODT

THE UNIVERSITY

INSTITUTE OF SCHOOLS

AND TOSTINGLOGY

POSTDOCTORAL RESLAUCO

POLITICAL THEORY

(Ref. ENO519)

1. 1

 $\{ e_{ij}^{(i)} \}_{i \in I}$

THE PROPERTY OF THE PROPERTY O

Papua New Guinea University of Technology

1978 Academic Vacancies Applications are invited from suitably qualified condidates for the following positions:

OBPARTMENT OF ACCOUNTANCY AND BUSINESS STUDIES LECTURERS (2 positions)
Required in one or more of these arona—micro and inner o permanics; development aconomics, agriculture aconomics, and/

or marketing.

LECTURER IN MARKETING MANAGEMENT AND/OR

DUANTITATIVE TECHNIQUES

As applied in business planning.

TECHNICAL INSTRUCTOR/SENIOR TECHNICAL INSTRUCTOR

To teach business machines, methods and operations. DEPARTMENT OF APPLIED PHYSICS

TURER ured in radiation, environmental, appropriate technology physics officialism. aics, and physics oducation.

DEPARTMENT OF ARCHITECTURE AND BUILDING
LECTURER, Seekior Lecturer
Regulard in the area of quantity surveying and building economics.

DEPARTMENT OF CHEMICAL TECHNOLOGY
LECTURERS

LECTURERS
toquined in the areas of lood technology and mineral icchnology.

DEPARTMENT OF CIVIL ENGINEERING

LECTURERS
(4 publics) required in the fields of atructures, geomechanics, hydratics and soil mechanics.

DEPARTMENT OF ELECTRICAL AND COMMUNICATION ENGINEERING
TECHNICAL INSTRUCTOR
Required with experience in microwave systems and/or experi-

anch in procedural systems.

DEPARTMENT OF FISHERIES TECHNOLOGY

SCHIOR TUTOR/LECTURERS/SENIOR LECTURER

Required in tighteries occanography and admits biology, gone
technology and tighting matthods, processing of aquatic froducts

Including distances microbiology, fisheries occanonics and management

DEPARTMENT OF FORESTRY

Recursed to teach forest engineering including forest serveying and hydrology and some aspects of harvesting and monaura-

Lion.

EECTURER

Riguiting in the godern subject and of what solution including translating wood anatomy, limber identification, would as a ray material, timber industries and some aspects of wood pathology. DEPARTMENT OF LANGUAGE AND SOCIAL SCIENCE
LECTURER/SENIOR TOTOR IN LANGUAGE
To touch English for special purposes in a second language

DEPARTMENT OF MATHEMATICS

LECTUREA

LECTUREA

Required to teach engineering mathematics.

DEPARTMENT OF MECHANICAL ENGINEERING
TECHNICAL INSTRUCTOR/SENIOR TECHNICAL INSTRUCTOR
TO conduct classes in weighting processes and technology, angineering drawing and vehicle technology. DEPARTMENT OF SURVEYING

Engineering orrowing.
Salary range Senior Tutor/Technical Instructor K0903-K8053 - Lecaus /5 may Tochnical Instructor K0003-K1001 Senior Lecture in India-1-K10741 As at 10 July Kma 1 (AI 1093, SUS1.3074, DKC0.73 346.

UKD.73 319.

Altowances additional to stary are payable as follows: martied Ki200 pp., single Ki300 pp., in certain circumstances a child slowance of Ki30 pp. in certain circumstances a child slowance of Ki30 pp. is also payable. An adveational allowance of Ki30 pp. is also payable. An adveational allowance of Ki30 pp. is also payable. An education being understed away from their parents: place of festiones. Other bandfils include turnished housing thand goods only supplied at nominal rental, leave farce to place of festivilized averaged adjustent farce to place of festivilized averaged adjustent farce to Canborra. Australia sacti alionate year and six weeks annual leave. Superannualion benefits apply in most circumstances. Study leave of six months will accrue after the semestars of service.

The successful applicants would be expected to take up their applintment at the commencement, in February, of the 1976

Applications in duplicate should include particulars of acc. nationality, marital status, family if any, qualifications, experience, present post and the names and addresses of three refer-

Applications are required by August 22, 1977, and should be sent to the Radistra. the Papua New Guinas University of Technology, PO Box 793, LAE, Papua New Guinas. A copy of application should be sent to the Association of Commonwealth Universities (Appointments), 28 Gordon Square, London WCIH OPF, from whom

UNIVERSITY OF GUYANA

VACANCIES—LIBRARY

Applications are mining from suitably qualified chieffly for the following positions in the University Library.

1. SENIOR ASSISTANT LIBRARIAN in change of Reader Services. Applicants must have prolessional qualifications.

The appointed will be responsible for operation the work of s) in the Circulation. Carabbarn socilone of the Library Experience of library stall training is desirable.

2. ASSISTANT LIBRARIAN (Two posts)

The minimum qualification required is A.L.A. or equivalent, but receive who have passed the L.A. Part II Examination but are not yet registered as A.L.A. may reply. An interest in stall training and/or expension in a relationed library would be welcomed.

Duties will be to assist in the work of one of the sections of the Liurary: Acquisitions, Circulation, Cataloguing, Caribbean or Lev. SALARY SCALES (per annum)

Senior Account Librarian (Lecturer/Senior Lecturer acate): NA 3/2 · G59 600-\$14,769 // x \$540-\$10,300,

Addition L'braran (Aprilaismi Lociurer/Lecturer scale) : UA 4/3 : GS5.120-50.640 // \$3.003-514,703. Botalls include houring allowance, contributory Pensian and Medical behavior. Anyone recruited from a crises will receive up to four full scorousy air presides (i.e., for himself, wite and unmarried children up to eighteen (control form point of control control of control of

Applications (3 copies) Stating name, date of Birth, merital status, qualifications and dates of minute work exportance (with dates), manufactions and dates of three states (and of the spicross much be yet present or better the spicops whose applicative) much reach the Paraonnel Station, University of Guita, a. P.O. Box 541, George-town, Guyona, Bouth America, before 12th August, 1977.

UNIVERSITY OF GUYANA

VACANCIES— **FACULTY OF EDUCATION**

the following vacancies in the Faculty of Education.

1. LECTURER IN SCIENCE EDUCATION

Applicants must have the following qualifications. At least a good first degree with science subject specialization, probabilly in the first or Chemistry, and linea years' postgraduate togething or other relevant experience; professional teacher qualifications, restrictions in Education and/or relevant, Experience in Leacher education or carrientum dayalopment is no need.

The successful applicant will be required to underlote leaching and regards in Science Education in degree, diploma and conflicts programmes and to paticipate in curriculum development establies in Science.

2. LECTURER IN EDUCATIONAL PSYCHOLOGY

Applicants under possors a higher digram in Educational Phy-log and must have specialized in Human Development and be in-inferred and qualifications in Subtracto and Comselling would

The successful applicant will be required to unnortake togething towards in Educational Psychology in degree, diploma and

3. LECTURER IN EDUCATIONAL ADMINISTRATION

The auccossful applicant will be required to undertake teaching and research in degree, diploma and cortuitate programmes.

SALARY SCALES (Per annum)

Løcturer: UA3: Q50,000-\$14,760. (Q\$2.55 equals US\$1). Point of ontry will be datandent on qualifications relevant perfence research and publications.

Bondilla include incuring allowance, contributory Pourier and Medical Schonies. Anyone recruited from overseas vill receive up to four full economy air passages (i.e., for himself, wite and enterted children up to eighteen years of ago) from point of recruitment, limited removal expenses and a Settling-In Atlemance.

Applications (3 copies) stating name, date of blith, mailful status, qualifications and dates obtained, work exportence (with dates), names and articlesses of three reference (one of the reference found by your prosent or less employer where applicable), must reach this Personnel Socion, University of Guyana, P.O. Box 341, Georgetown, Guyana, South America, before 12th August, 1877.

UNIVERSITY OF KHARTOUM-

PROFESSOR/READER/ SENIOR LECTURER/ LECTURER IN BIOLOGY

BOTANY OR ZOOLOGY In the Dapartment of Biology Faculty of Education.

Salary scales: Professor £84,135 p.u. Roader £83,876 p.a Sanior Lecturer £82,405 £83,000 p.a Lecturer £91,000 £82,400 p.a (£1 storling) ... £80,501. The British Government ESD 50). The Bright Government may supplement anlaries in rauge 52,082-23,680 (staffing) for martied appelations or \$1.410-\$1.900 (staffing) for single supplements and find supplement and currently under annual review) and provide children's education allowances and heli-day visit passages Family passages various allowances; suppremutation achome: annual ovurseas leave. Detailed applications (2 coples), including a curriculum vitas and naming 3 referees, should be sent by airmeil not feler than 30 August 1977 to the Personnal Screlery. University of Khartoum, P.O. Box 321, Khartoum, Sudan, In UK should

Applicants resident in UK should also send 1 copy to inter-University Council, 39,91 Tol-tonham Court Road, London W1P 60T. Ferther particulars may be obtained from either

UNIVERSITY OF WESTERN AUSTRALIA Perth

EDUCATION

LECTURER IN **EDUCATIONAL PSYCHOLOGY**

in the Department of Education from 1st January, 1978, of as 50 m as possible three-that are included from persons with an internal or my area of educational psychology. The current scale, January for a Lecture is \$4,4,345-18.004 per summer, benefits include supersonaution similar to FSSU, fares to Porti for apprehings and dependent family, removal allowance, study laws and long service leave and housing loss science. Further information may be distalled from the tend

Applications in duplicate stating full personal particulars, qualifications and experience should reson the Stating Officer. University of Western Australia, Redisinds. Western Australia, 6009, by 27 August, 1977. C'indidates should request three referees to write immediately to the Stating Officer.

UNIVERSITY OF THE **WEST INDIES—BARBADOS**

LECTURER OR STAFF TUTOR

BELFAST-THE

QUEBN'S UNIVERSITY

DEPARTMENT OF

Praterenco will be given to applicants with an interest in Genetics and/or Lower Plant Blotogy. Duties to be saumed by 1st September, 1977, or as soon as possible theresiter. S. tory ecress (from 1 August, 1977): Leriuror, BDS319,071-29,789 ps. Assistant Lecturer. BDS316,480-18,974 p.s. (21 striling equals BOS33,44). Datafied applications (3 copies) giving full particulars of qualifications and experience, date of birth. marital status and the nemes and addresses of three referees should be sert as zoon as possible to the Secretery, University of the West Indies. P.O. Box 64. Bridgetoen, Barbados. The Linversity will sand further particulars for this post to sit applicants. There particulars way also be obtained from Inter-University Council. 90/81 Tottenham Court Road, Lohdon Wilp ODT. Condidates for the post of stall later should be able to offer a wide range of recreational teaching. For the appointment of lecturer, autifiliant academic interests in Physical Education are sought.

Applicants must be graditates, and should preferably hold a bilaner danner and a qualification in Physical Education.

An appointment will be made dependent upon exparience and conditional continuous of the scales \$2.333-58.585 (technor) or \$2.333-58.5

Applications are invited for the

LECTURER/ASSISTANT LECTURER IN THE

DEPARTMENT OF BIOLOGY

ASSISTANT Ironited from lar hept to-ber, 1977, or short for lath is moraled the transition of the importles of the state of the libre frameries for allow blace modification using unique conjuster confusion to after Applicatus, under or female, should be produced by the firm in the products of Materials Briggs and have appropriate research experience.

The autointment will be for two verts in the first in-blance with a balling at the later, but a balling at the first of 10 % 10 cc annumer bins U.S.S. Dinnibles in Dr. R. Taylor, Decorificat of Metallury (Coloridae) of Met

THE UNIVERSITY OF THE WEST INDES TRINIDAD

LECTURER IN EDUCATION

with sportal reference to the Crimic of Modern Lings.
Applicants already be family below and cutro-ulan deals, projects and church in some "limit must be found has so them y and practice, as fine cutro-ulan deals, possible of must be found for any interest in Society paychalogy security to the day of must interest in Society of Paychology of Education of must interest in Society of Paychology of Education of must interest in Society of Paychology of Education of must interest in Society of Paychology of Education of must interest in Society of Paychology of Education of Paychology of Education of Must interest in aducation as subdifferent many points of the free interest in aducation as subdifferent many points of the free interest in aducation as subdifferent many points of the free interest in aducation as subdifferent many points of the free interest in aducation as subdifferent many points of the free interest in aducation as subdifferent many points of the free interest in aducation as subdifferent many points of the free interest in aducation as subdifferent many points of the free interest in aducation as subdifferent many points of the free interest in aducation as subdifferent many points of the free interest in aducation and points.

5-2-4-17 Scalus Lecturer 1977/3 7 1539,071 by £94 to 24,435 (80) 10 294 to 29.790 p.a. FSSU, to 10 294 to 29.790 p.a. FSSU, to the hished accommodation it was nice at 10 per cere or humans at 12; per cont or housing after time of 20 per cere of perace time of 20 per cere of perace time aniary. Up to the full exempt on numeral termination shall be not on numeral termination shall travel. Grant. Deipiled application saming their
(3) referees to Secretary,
(3) referees to Secretary,
(3) referees to Secretary,
(3) referees to Secretary,
(4) so possible, Details of possible
(5) possible, Details of possible
(6) possible to Secure down
(7) October 1, 1977, or as see

1) possible thereafter.

(£1 :18/fing aguata TT\$418) HERIOT-WATT No. 1905 delate quote Ref.

UNIVERSITY Department of treputs LECTURER IN ENGLISH (Pari-tint)

The Dorsamert will see to the Course of Section 18 Course of Spatial House of Section 18 Course of Sections per see thours of Sections per see thours of Sections per see that the secademic year such a possibility of turber work in the second of Section 1878. the summer larm.

Ideally the applicant in have a qualification in have a timplistication of the summer of the sum Salary by extendament (

Interested applicants of ki obtain further details of ki obtain further details of ki open from the Department of the Conguerges 1432 set 140) or by united 1632 set 140) or by united 160 the Head of the Department. Herlot-Watt United from the Head of the Edinburg Chambers Street, Edinburg EH1 1HX.

IN-SERVICE EDUCATION DIPLOMA PROGRAMME

the Stale C.7.3.3.7 to 46.655. plus superannualina. Applications Islam Capinos), Applications Islam Capinos), Among here reterens, about be sent by 26. August, 1777 to the Massian Rogistry India, Discretily of Riemingham, P.C. Discretily of Riemingham, P.C. Capinos Capinos (110 27), Capinos Capinos (110 27), Application of the Capinos (110 27), and be continued to the capinos of the analysis of the capinos (110 27), and by the Oldshoot. THE UNIVERSITY CHAIR OF MISHIATVAS

Applications are invited for the Chefr of Mediancel History, which will become various of is October, 1979, by the Prizal of Professor I. Liquet Ci-Stores, M.A., Ph. D., T.S.A., F.R. Hu, S. f.R. Hst. S.
Farther particulars may be led from the Bertestry of the lad from the Bertestry of the ladersty Court (1800) 111.
The University of charactery of the ladersty of lad

GLASCOTV DEPARTMENT OF POLITICS TUPORARY LECTURESHIP M POLITICS TIVO YEARS Applications are invited from the and women filed Diagres for a temporary factors and

sen and women (MADIA) is by a temporary terrureship in the property of the pro The particulars have be added in the Sourceary of Clasgow, asked (12 th/t), with whom the sourceary of the S

Candidates should be shire to be still the show the shire of their know. The shire of the shire

describes in its political describes in the poli

Application forms and furby perfection forms and furby perfections are avaitable,
for the propose product please,
133 the personnel please,
133 the personnel please,
133 the personnel please,
134 the personnel please please,
134 the personnel please please,
134 the personnel please plea

THE OPEN UNIVERSITY STUDIES ATTOMAL TAMPORARY LECTURESHIP Applications are invited to the horizontal to the horizon temporary for introduced which which could be continued to the horizontal to the horizontal to the horizontal to the horizontal transportation of the horizontal transportati

PRODUCTION.

Turcher nathrodats may be obtained from two Butnests, was Andrew We Andrew Kent TN25 58H. Applications should be addressed to the Secretary before 16th September, 1977.

MALAYA THE PROPERTY

Applications are myless or the following Challes in the Larger Byles below TWO DIAM OF SCHOOL

Applicable Should have to search or loaching experience that special interest in Ingestive Physiology and or Nutriponal Physiology, CHARLEST IN STATES AND ADDRESS OF THE ADDRESS OF TH Annual Saleries (Superannumbles are: Lecturer Illes 5, 200) by HK 55, 720 to HK 202, 600—103—108 style of the Style of the

Further particulars and algorithm for the Association of the Association Secretary (Recruitment), University of Hong Long, Hube Ecoly. Clocking data for applica-tions is 50th October, 1977.

RULL

HONG KONG

THE DNIVERSHY

CLUSTON SHIP / ASSISTANT OFFITTER SHIP IN PHYSIOLOGY

Applications are invited for the post of Lecturer Assistant Lecturer in Physiology, which will be available as of Scatten-ber 1, 1978.

THE TIMES HIGHER EDUCATION SUPPLEMENT 29.7.77

Universities continued

AUSTRALIA

INIVERSITY OF BLW INTEAND Aroutdate, New South Water

DEPARTMENT OF ALCOMMING AND TOURSELL MANAGEMENT

LECTURESHIPS 121 In PLORINATION STRUCTURES AND OF INANCIES ACCIONATION FINANCIES ANALL TURINGS

PATALL. HUSAINESS

The Department offers of Accounting Harshess i mance. Ledal Kuntes, set i mance. Ledal Kuntes, set i mance. Ledal Kuntes, set i mance Ledal Kuntes, set i mance i m

Salary Range: SA14,545 Id \$A18,984.

Actualities include assistance conditions include assistance with favel and removal expension. In addition, superaumpation is available, and essistance in buying or building a local surface and the surface

refiliement.

Lurhor paris may be obtained to three paris may be obtained from the Association or tommonwellib Universities (Appli, v. 36 targets) gagare, Lundon, William (1917) or Starf (Hiter, University of New Lugland, as appropriate.

BIRMINGHAM

THE UNIVERSITY

DEPARTMENT OF ENGLISH ANGUAGE AND LITERATURE

ANGUADE AND LITERATURE
Applications are invited for
LECTURESHIP in LNGALISH
TERATURE in the Departat of the Englist Language
d Linguige from 1 Junia7, 1778. The successful apcant will be ospected in parpale in the Department's
ching programme in justdepartment periods of Engliterature. Though research
or modern photry may be
attaining, challicates with
r intervals chauld not hesito apply.

ther interests should not hesi-ale to apply. Balary on the lower part of the Stule £3.333 to £6.655.

THE UNIVERSITY LECTURER IN EDUCATION Applications are invited for the post of LLCTUHER in LBHKATION with special reference in rurriculain studies. An interest in occapitalism inclined would be an availage but is not essential. The salary will be at a sublishe point on the scale: £5.335 to £6.655 per annulu.

LONDON THE UNIVERSITY

The Senate invites applica-tions for the above Reader-ship, in the field of social anthropology, tenable at tim-versity (Altere in the Imperi-ment of Anthropology from 1 Ch.44-5, 10 Kr.44-5, 10 kg.45 pt. Salory scale Lunden Allowance.

Applications are invited for the post of RESEARCH 1711-121W to paid it hate in a sticky of the problems which seemed are scientially setting a constraint of the problems with a coloring to the problems of t

Write for application form and further details to the Assistant Secretary (Fatabilitation), from University, 15th Fidge, Middlesey Ulff St.), Applications should be made as soon as possible; not later than the 1st. September.

SOUTHAMPTON THE UNIVERSITY FAGULIY OF MEDICING CHEMICAL PATHOLOGY AND An EXPERIMENTAL OFFI-CLB, with a nest-declaral of with a bigh degree is re-outed to bad a small made investigating the neclaration of a logical behavior actual agents. If the part of bysocity actual agents attend with and interactions.

Selary scale: 12,504 to 543.11 contract for two years join day. Luritor information can be obtained by telephoning Pro-fessor R. O. M. M. Albertl or Dr. A. L. J. Buckle, Hauthe-ompton 777322, ext. 2004. Further particulars may be obtained from Mr. C. W. L. Swann, the boriversity South-unipoon, S022 SNR, to whom aradiculations two coules should be sent by 12th August 1977. Phase qualo ref. 7857 A - 1345.

WYE COLLEGE (University of London) SUNIOR LECTURER/LECTURER IN CROP PRODUCTION Applications are invited for the 1998 of SENIOR LEC-THEOLOGICATION.

Polytechnies

CDAIR of THIRDSDEELS * HAR OF POSE

Candidates are also required to have publications of a ador-nic standing. Salary scalo (all inclusive) (approximate sterling approximate ER-513 by \$120 to 12.513 by \$120 to 15.513 by \$120 to 15. Turther parelellars and apple afford to to the afford the Association of Commonwealth (April 1, 36) Continue Square, Lumpon WCIH QPI.

The closing date for the receipt of applications is August 31, 1977.

SHEFFIELD

THE UNIVERSITY

ACADEMIC DIVISION

SALFORD THE UNIVERSITY DEPARTMENT OF CHEMISTRY AND APPLIED CHEMISTRY POST-DOCTORAL RESEARCH FELLOWSHIP IN ORGANIC CHEMISTRY

Applications are invited from nersons with previous experionce in Avinholic undow reactive intermediate Chiminary,
fito professor to the constitudy some avinted content to a
minute reactions of atomatic
actions, the approximent from
1st January 197H, g for
mo year with the somethilly
of renewal.

Balery on the scale (E. 3.3.2 Applications talk copies), giving dotains of age, qualifications and experience, to getter with the age of three referees, should be sent by 12th August 12th Augu Balary on the scale £3,333 to £3,975 per ennum; U.S.S./ Turilor particulars and arubicaling forms may be obtained from the Registrat. University of Salford, Salford, May William Considered mailtained by John Salford, Barring Salford, Salford, May 10 whom considered mailtained by 37th Abullat 1971, Mauting reference CH/207/11ES.

READERSHIP IN ANTIROPOLOGY AT UNIVERSITY COLLEGE

Applications 110 conirsh must be received not later tion 31 October, 1977 by the Academic Heatstan, (THES) interestly of London, Senniu Heatstan, London WCIE 71U. From whem further particulars should be ablatted.

MIDDLESEX (Re-advertisoment) BRUNEL UNIVERSITY

Applications are invited for the post of EMP-RIMENTAL OFFICER to work as a leading member of a group investigation of a group investigation of a group investigation of the post of the post is whole time and the post is whole time and the work partly at the North Sheffield University Teaching Hoomist and pastly at the laboratories of the Doyarusent of the Doyarusent of the Doyarusent of the Doyarusent of the Control of the Doyarusent of the I DUCATIONAL STUDIES UNIT (Director: Probesur Maurice Rogan) methods.

In the calory in range 22,704
In the calory in or IR scale resemble to the calory in the c Sin frield, Sh 7A11,
Anghi allons 15 copies), including life names and generalres of two reterrors, to me
tentature unit secretary, inctraiterstry, Shoffled, SiO 3TN
hv 12 August 1977, Odoto
Hef. R. 13/111.

Project work will begin in September, 1977, but the start-ing date for the research fol-lowship is open to negotiation. Salary Within the national research Scale 1A \$3,3% to \$5,647 beginning to \$450 beginning to \$8.8.0.7 U.H.S. benefits.

Auptications are invited for a temporary Lectureship in the Denortheart of Electrical Engineering. This post is seensored by Piroli Queen's Lable Works for an initial 51, year period, emilitates should have an interest in commutational inspects of power systems, including sower cables. The successive applicant will be received applicant will be received applicant will be presented in the including activities of the description, as well as pursuing metallic about 11 the adonnic distillications and industrial experience are desirable. Salary scale: \$3,353 x 5214 Salary scale: \$2,353 x \$214

(16) - \$6,655 ine initial
salary will depend on qualifications and experience:

Purpler particulate may be a
land, the University Solffimanton 80 581 to the
acquirentence No. 10,85 cms
control sevent codes from
United Kingdom applications
should be sent toot later than
that August 177, lieno
thick of the processor of the series of th

SOUTHAMPTON HIE UNIVERSITY

DEPARTMENT OF RECERCAL

PINELLI LECTURESHIP

THE UNIVERSITY
DEPARTMENT OF
ALGONALITICS AND
LECTURESTIP IN ILIUIT
DYNAMICS
Applications are invited for
the loat of Locurry in the
Local part of Locurry in the
Department of Agency in the
Applications are invited for
Department of Agency in the
Local part of Locurry in the
Local part of Locurry in the
Local part of Local part of Local
Local
Local part of Local
L

SOUTHAMPTON

THE UNIVERSITY

Particular and the superior of the superior of

THE POLYTECHNIC OF WALES POLITECHNIG CYMRU

Applications are invited for the posts of :-DEPARTMENT OF ELECTRICAL ENGINEERING
(1) Lecturer II/Senior Lecturer in Electrical Engineer-

DEPARTMENT OF CIVIL ENGINEERING AND 2) Lecturer II/Senior Lecturer in Civil Engineering.

DEPARTMENT OF ESTATE MANAGEMENT AND QUANTITY SURVEYING

(3) Lecturer II/Senior Lecturer in Structural Analysis/

(4) Lecturer II in Estate Management/Valuations. (5) Lecturer II in Quantity Surveying.

Salaries: Lecturer II/Senior Lecturer £3,591 to f6,267 (bar) to £6,729 plus £153 to £180 Phase 2 supplement. Lecturer II £3,591 to £5,805 plus £153 to £180 Phase 2 supplement.

Please enclose large stamped addressed envelope for further particulars and application forms (returnable by August 19, 1977) from: :-The Personnel Officer THE POLYTECHNIC OF WALES

Pontypridd, Mid Glamorgan CF37 1DL Tel: Pontypridd 405133

속에 다 되는 모양 모양 모양 모양 모양 보는 모양 되는 모양 모양 모양 모양 보는 모양 보는 모양 보는 보다 되는 것이 다 되는 것으로 보는 것이 되는 것이 되었습니다.

Applications are invited for posts of Lecturer Grade II/Senior Lecturer in the following

Industrial Economics 'Accounting/ **Auditing Law**

Salary : £3,279-£5,955 (Bar)-£6,417 plus

supplements of £485-£492 p.s. Further details and form of application from the Chief Administrative Officer, Trent Poly-technic, Burton Street, Nottingham NG1 48U. Closing date 12 August 1977.

~TRENT-POLYTECHIVIC IN NOTTINGHAM MINISTER

oxford politications

Department of Biology

Principal Lecturer in **Mammalian Physiology**

(£5,940-£6,642 (bar)-£7,578 plus supplements of £312 and £180 subject to incomes policy).
Further particulars and application forms may be obtained from the Head of Department of Blology, Oxford Polytechnic, Oxford OX3 OBP, to whom applications, including the names of 3 referees, should be submitted by 15 August 1977.

LONDON, N7 THE POLYTECHNIC OF NORTH LONDON FACULTY OF HUMANITIES

DEPARTMENT OF EXTENSION PRIVACAL EDUCATION Commoncing January 1.78, of as soon as possible related ther after Applicants should be quall-hapticants should be quall-ited physical oducationists with a good honours degree, having studied the scientific studies

cei Edication wouse advantage in accessful applicant will be expected to togeh actorities appets at Sport, Physical Education and Regnal Conflicted full and particular actorities of the country and the conflicted full and particular actorities of the country actorities actorities of the country actorities ac indicated Repression on both college and Repression Corlificate / Dograd courses, taking resonability for the locatility of Exercise Physiology and constituting to the questing of Ho-mechanics and itself better cation courses. If she had the size of expected to take a positive repression to the programment of the programment of the programment of the Control of the Polymonth of the Control of Politicanic scale; 27, 528—8, 447 per; 27, 311 (Include 16, 447 per; 27, 311 (Include 16, 447 per; 27, 311 (Include 16, 447 per; 311 (Include 16, 447 per; 311 per; 3

CITY OF BIRMINGHAM THE POLYTECHNIC

LECTURER IL SENIOR LECTUREN QUANTITY BURYEYING Applicants should be gradu-ates in Quantity Surveying

and/or carparato members of the Hoyel Institution of Cher-tored Surveyors (Quantity Sur-veying Division) and mbto lo loach quantity surveying sub-lacts to final level H.J.C.S. and the companies sandwich diploma course.

Applicants should be graduslos in odate menagomort or
slos in odate menagomort or
slos in odate menagomort
of the Reyal Institution of chartored Burvoyers (General Practice Division; and able to teach
relate menagoment and associrelate menagoment and associrelate subjects to first beet of
fir.C.S. and the excappting
full-time deployer cetter. If
23.279 to 25.494. Sonior Lecturer 25.031 to 29.955 (bar
32.913 plus 1976 and 1977
supplements. Further dotate and applica-fior form (to be friumed by lat Benjamber 1977) from: The Personnel Officer, City of Burmbakan THES: P Block, Perry, Barr, Burmbakan Burmbakan (1982) 1911, 1911, No. 021-336 0911 Ed. 217,

DEPARTMENT OF ACCOUNTANCY AND COMPANY ADMINISTRATION Lecturer II in Management Accounting

SHEFFIELD CITY

POLYTECHNIC

leach management

ing at protectional, detres and diploma level. Additional reper tence and/or qualification, if linencial management would be an advantage. Lecturer II in Company

Administration Additional topic; from a teach is writing to topic; from a teach is a teach topic and a teach in the teach in courses in administration. The ability to offer subjects appro-printe to bankers courses would uo An advantago. For buth these posts considers whit possess a tolerant device d/or prolosalunal qualitic man th appropriate practical exper

Salary scale: £3,744 to £5,985. Closing date: August 12. DEPARTMENT OF HOTEL AND CATERING STUDIES AND

HOME ECONOMICS Temporary Lecturer in **Business Aspects of Hotel** and Catering

Administration hio-year appointment, replacing thember of stall on sludy loave presist with teaching Busines Buddes as applied within the Dopartment, Candidates should Dopartment. Camilidates thould have a professional or post-experience qualification or a degree in business - orientated studies. The appointment will probably be at Lecturer II lovel.

Salary Scale: Lecturer II . £3,744 to £5,885.

losing date : August, 19. DEPARTMENT OF PHYSICAL EDUCATION

Temporary Lecturers APPRICATION REF Invited from sultably qualified men or women for remporary posts as becturers in physical Education to loach mainly on the Wentworth Woodhouse site. The posts are switted to the selection of the following street is desirable: Human Signoy. Philosophy/Aesthetics of Movement, Blomechaics, Kinosiology, Sparts Medicing, Symmastics, Dance, Swimming, Safery Scale Lecturer 11, 53 744-55,885.

losing date: August 12 DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL STUDIES Visiting Lecturer in

Environmental Studies Applications are invited for the temporary, part-time post of Visiting Locturer in Environmental, Studies at the Wentverth Woodhouse Site.

This appointment is for one year commencing on September 1.

1977. Teaching will involve; Courses in regional studies.

Closing date ; August 12. DEPARTMENT OF POLITICAL

STUDIES Research Assistant o investigate the role of party citylete in local politics with spe activists in local politics with spe-cial reference to policy formation; and implementation. The oppor-tunity will be given to study for a higher dogree. This post is open to applicantal with a good honours degree, in an appropriate fletd, The appoint-ment is for two years with a possible extension to a third year. year.
Salary scale £2,861 to £3,039.
Closing date; August 12.
Requests for application forms, by letter only please, to the Perconnel, Office, Dept THES, Shelifold City Physiologic, Newtons and Physiological Course, Pictoria, Square, Shelifold St. 286.

BRISTOL THE POLYTEGINIC DEPARTMENT OF DESIGN Applications are invited for the post of ABBOCIATI LETTINGS IN THE PROPERTY IN THE PROPERTY IN THE PROPERTY IN THE SUCCESSION OF THE PROPERTY IN THE PROPERTY IN THE PROPERTY IN THE PROPERTY OF THE PRO The appointment will be for the scademic year 1977 78 and the sclery payable will be pro rate to the full-thing scale.

Pull-time salary scale: £3.270 to £5.031 (Bar) to £5.036, plus £312, plus Phase 2 award. Further details and applica-ling (orms to be returned by 12th August, 1077; from Per-sonne) Officer, Bristol Poly-fechnic, Coolangebour Jane, Dristol Bate 107. Pinasa guote Posa Hedronce Muni-ber 1074 in all com-munications.

F Ç

D

NEWCASTLE UPON TYNE POLYTECHNIC Department of Chemistry LECTURER II IN PHYSICAL CHEMISTRY

Regimed as soon as possible, to letch on the HNC and CRAA Bachauss, and to provide service teaching to Environmental Studies and Water Pollution courses. There may be an opportunity for some posterious in the house from the MSC (Analytical Chemistry) course Applicants should possess a good Honours Degree in Chemistry and have had appropriate research and/or industrial experience in analytical chamistry or environmental echociones agreements. The successful candidate will be encouraged to organize in research.

Burnham FE Lacturer II (£3,279-£5,493 plus £312 and up to £180

PLYMOUTH POLYTECHNIC

POST DOCTORAL

FELLOWSHIP

to work on

the Analysis and Rale of Acrylando in Aqueous Solutions. This is a collaparative project with the South-West Writer Authority and supported by the Department of Environment. Applicants should be experienced choiceal analysis preferencepture goo-liquid chromatography, radiochomical molificods or automatysis. The appointment is for one year with a possible extension to litree years (fired term contracts). Shary will be based upon the Burnon LI Scale starting at \$2721 per current and rising in \$126 annual increments. Supplements to be returned by August 19, 1927, can be obtained with further particulars from the Porspined Officer.

PLYMOUTH POLYTICCHNIC DRAKE CIRCUS PLYMOUTH PL-1 BAA

LONDON, W.1

THE POLYTECHNIC OF

SCHOOL OF COMMUNICATION

BINIOR CLEATURER IN THAT MAKING regularly for U September in the state of the state

Souther Lecturer: Charge to CG.649 their in c7.511 the cludes Child landon allowance and supplement of Case, sub-lect to approval.

Details and application from from the Establishment Other, PCL, 359 Repent Street, Lon-don W.R. HAL OLSTO 2020 Extension 212. Gostine date 15 August, 1977.

LEICESTER

THE POLYTECHNIC

SCHOOL OF BUILDING BURVEYING AND LAND ECONOMY

LECTURER IN THEN AND COUNTRY PLANNING

Aimications are incided for this post from sulfably quali-ticed prisons, lo fercir Plan-ting on degree courses in Plan-ting on degree courses in Plant-families or other femiol Courses

Safaty E5.711 in 55.005 per arration inconstyr of supplies increase Commanding notify de-pendent from a districtions and previous experience.

If you like what

you read in

PLYMOUTH POLYTECHNIC

School of Engineering Science Construction Studies Group RESEARCH ASSISTANT

ANALYSIS OF STRUCTURES
USING FINITE ELIMENT
ANALYSIS
TO invostigate the post buckling
stage of composito sinuctures
using thatic dements.
Candidnes with a good first
degree in anginostriag, mathemultics, physics or equivalent
austification. degree in anginogring, matter, physics or equivalent qualification. Assistants are in rinelly required to register for a higher degree, allificiary post-doctoral applicants will be considered. Appointments are for a period of two years with a possibility of a third year (fixed-down contracts). Salary will be \$2.469 for post-graduales or \$2.721 post-doctoral for equivalent) with annual increases of \$2.65 Supplements of \$31 and \$132 per annum will size be pated.

PLYMOUTH POLITECHNIC DRAKE CIRCUS PLYMOUTH PL4 84A

and 1132 per minute to be returned paid. Application forms to be returned by August 19, 1977, can be ob-lained with further perticu-lars from the Personnel Officer.

LONDON, S.E.18
THAMES POLYTECHNIC
DARTIFORM COLLIZED OF
PART-TIME 1737 ORDER IN
Applications are invited for
a part-time 1737 Order In
Applications are invited for
a part-time (O.6) temporary
post of Lecturer II in Malice
holder for one year from
September, 1977, Applicants
dentil to graduate with sucon outlett schools, and he pet-pared to reach Matthematics at Corrillease and H. Lat. Loyels to Physical Education and General Studies of Companies and Authorities for General stu-dents. An interest in Statistics and of Computing Would be an advantage would be an

Colleges and Institutes of Technology

Lothian Regional Council POSTGRADUATE RESEARCH

ASSISTANTSHIPS Two Colloge Resourch Assistant Thips are available in the follow ing Holds i Industrial Structure of the Lothern Region. Sludies on Solar Energy. I The Bosts of Tourism (c

The Busia of Tourism in Scotland.
Development of a Microprocassor-based Mallematical CAL System Plandocolvenicy in Lothian Region Water Supplies Morse Pollution Rosearch in relation to:—

[a] Learning;
[b] Bensitivity, of Hearing; or [c] Vibration in Industry.
Effects of Processing on the Microbiological Contemps it on of Leboratory Animal Diots.

Olote.

8 Productry Prey Modelling in Ecology.
9 Paychophysiological Correlates of Migrains.
10 Policy and Resources Committees in Socitish Local Government since 1975.
11 Comparing the Theories and Practices of Industrial Organizations.
The comortunity of registering for a higher dogree of CNAA may be silven.

Fr

C 1

B

THE TIMES HIGHER be riven.

Salary will be calculated as 60 ner cent of the appropriate point on the lincturer (A) Scale:—

SS81 to £8.324 (bar) to 16.807

Each nost will normally be available for those years in the first instance. **EDUCATION**

SUPPLEMENT make sure of your weekly copy by placing an order with your newsagent

Fellowships and Studentships

DURHAM THE UNIVERSITY ADDISON WHILLIER THE LOWSHIP.

THE RESERVE OF THE PERSON

Applications are invited for the Addison Witeeler Fellow-skin beguble by three vests from Orboter 1947 (or as sould thereafter as possible by ortsupencials and repowable for a purple two years, the bollowships were established to condition to established to Collowships were reliablished to consumpre "criftons for ille-crossed knowledge of Man and the physical materials was in-comble him to make better use of his file here of earth". It is assumed that conditions will be a summed that conditions to the constant of the collection of the working in other fields who frod that floir research needs the atom will be well as the best of the collection of the billion of the wheeler re-tains all the wheeler re-bulled by the collection of the high we occurred in

Salary on the scale \$5,764 to \$5,125 for annual plus supercontraction benefits. No fathal depolational will be made at a level higher than \$1,001. Catabilities mills between \$2,001. Catabilities mills between \$25 tests of ano at he time or 128 tests on the line of a lateral mills.

Apathodians office codes, naming firm releters, should be sent by 31st Angulat, 1977 to the Register and Secretar, 2018 bitter field. Durhow 1918 Silly, from whom turther particulars may be obtained.

DYFED SAINT DAVID'S UNIVERSITY COLLEGE Lampoter DEPARTMENT OF OLOGRAPHY

CCLLOWSHIP IN RURAL TRANSPORT The Collage, in auroment with the Sericiary of State for Wobs, has established a lesseatch belowship to assist in the study of acress and transportation in parall Wates, Apulla dious are incident from candidates with experience professible at the higher degree layer. The appointment will be made at at most the lower and are the layer and formal of the LA wate for the capt and Analogous Stat (Sa. 5.7) to "S. 1.727", and is especied to the soften from

luriber particulars and opplication forms may be obtained from two Antilonation for Antilonation for the College Laured College Colle varilly College, varilly College, Byfed SA-14 7(1), updications should t 26th August, 1977.

Colleges of Higher Education

SRC

(CASE)

Studentship

for research in the field of numerical methods for the solution of nonlinear optimization problems. This is a four project between the Polytechnia and the National Physical Laboratory.

Students will be expected to register for a higher degree of the Council for National Academic Awards. Applicant should look, or should expect to your, a first or upper second close hancours degree of a British university or polytechnic. They should also he by the Council of the council of

Write Immediately-giving full details at qualifications and experience to Mrs Janet Rolett (Ref. A352A), Middioses Poly-lechnic, Bounds Green Road, London N11 2NO.

Middlesex

-Polytechnic*-*

BUCKINGHAMSHIRE BUCKINGHAMSHIRE
BUCKINGHAMSHIRE COLLIGA
OF HIGHLE LABOR ATION
OF HIGHLE LABOR ATION
OF HIGHLE LABOR ATION
OF HIGHLE LABOR ATION
BUTTON TO THE LABOR ATION
SCHOOL OF MANAGLAM AT
STUDIES AND LANGUAGES
Applications are invited for
the following post, further to
the further to
the further to
the further to
the further to the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
the further to
th processing torsiness statues entrees. Helpy scale: E5.741 to £5.906 per commo

Colleges of Education

North Yorkshire County Council **SCARBOROUGH**

NORTH RIDING COLLEGE OF EDUCATION

TEMPORARY LECTURER II/SENIOR LECTURER IN ENGLISH/DRAMA

Applications are invited for a temporary lectureship in English/Drama for one year starting in September, 1977. Applicants should have knowledge and experience of the development of oral and written language, the use of children's literature, and the function of educational drama across the Primary/Middle school curriculum. Salary in accordance with scale for Lecturers/Senior Lecturers in Colleges of Education (13.279-15.955, plus 1312 p.a., plus 1977 supplement), according to

Furiher particulars and application forms available from The Principal (Appointments), North Riding College of Education, Filey Road, Scarborough YO11 2AZ. Closing date for receipt of applications Saturday, 20th August,

General Vacancies

NATIONAL UNION OF STUDENTS

The NUS requires TWO EDUCATION ADVISERS to work in its Education and Welfare Department.

The first appointment is to cover aducation of the under-19 age-group, including access and content or further education, part-time education and training of the 16-to-19 age-group.

The second appointment is concerned primarily with higher education to include teacher education and training and access to and content of higher education.

Both jobs involve research work to back up NUS campaigns and some liaison with other educational bodies.

bodies.

The appointment will be on a scale from £2,350 to £4,579 plus £300 London Weighting. It is hoped that those appointed can start by September 1, 1977. An interest in curriculum development and teaching or respect experience would be an advantage.

Sparen experience would be an advantage.

Application forms and further particulars are available from :—

The Manager, Education and Wolfare Department NATIONAL UNION OF STUDENTS

3 Endsleigh Street, London WC1H ODU

Tel: 01-387 1277

Further details and forms of application turnable within 14 days from the appears of this advertisement, from Senior Administrative Officer, 100 Curtain Road EC2A 34.

Oxford University Press A Supplement to the Oxford **English Dictionary**

A research assistant is needed to work in London libraries on bibliographical checking of quotation and their sources and the antedating or postdating of particular words or phrases. London workers or the Dictionary staff receive a batch of work once week, in the main consisting of queries needing answers from books or periodicals not available in Oxford, A large proportion of the work is done in the British Library (including the scientific departments and the newspaper library), but other research libraries in various parts of London are also used.

A graduate with several years' experience of reference work is needed, able to cope with scientific material, parents, and government publications, as well as less specialized sources. A reading knowledge of German would be useful. Thejobis a relatively isolated one, and the person appointed should be prepared to organize his or her own work with the minimum of direction from Onto

The salary will be in the range £2438-£359. Applications, with the names of two relens should be sent to L. R. Swanzy, Oxford University Press, Walton Street, Oxford OX2 6DP, by 8 August.

SENIOR FROM VIIOR OFFICIAL OSCHOOLS SCHOOL BROADCASTING COOKCII

Application to the point Application to the point of the control to the control to the application of the industrial tending in the industrial tending in the industrial tending in the point of the control to the cont

requires

A didden, who applied pre-tionally for the post of Asia-lant Senior Laboration (Albert 19), 73, 547, may it they with, face their application considered amine by writing to this attest in Appointment Department, Senior amount from he higher in qualifica-tions be thinker in qualifica-tions be thinker in qualifica-tions be thinker in qualifica-tions be supported by 12 of the Part of the many plus law supported in A17 of per many the content of the per-many the per-permany the Suppose of the control of the contro Applications are East from men and woom in any pradicties for the good Advantage and Advisory 55; from 1 October, 197, 69 soun as possible fletal time part the dryes interest implegacy, organicative for cutting the state of the cutting of the cutting of the cutting of the force of the cutting of the cutti

terastonal special profe to a stantal special project conductors should be a citative to work on the a of times under constitu-iness in a profession of the five to tasts expitua-tor and the Capital Sala-tor Adams (Gradia Rado) Capital Rado Capital

Administration

SHEFFÆLD

TITL PRIVING

CATILITIS ADVISORS BURNICE

ADMINISTRATIVE ASSSM

Colleges of Further Education

London College of Fashion

Applications are invited for the following positions which to

Senior Lecturer & Lecturer II

in MEN'S & WOMEN'S WEAR Experience in al loast one of the following areas is essential for either post

for either post.

a. Production/garment engineering of structure and/or casual wear. b. Production/quality management in similar areas.

c. Bespoke tailoring. d. Teaching, relevant to the clothing industry.

Salary scale in accordance with the Burnham (FE) Report Senior Lecturer £5,031-£5,955, plus supplement of between the Edward Edw

Subject to formal approval.

In each case there is an additional £402 London Allowance. Assistance may be given towards household removal expense.

THE TIMES HIGHER EDUCATION SUPPLEMENT 29.7.77

Administration continued

ST. CATHARINE'S COLLEGE, CAMBRIDGE

BURSARSHIP

The College is seeking to appoint from 1 January, 1978 a full-time Bursar, who would be required to serve for the first year as Domestic Bursar only but would thereafter take over all bursarial functions. The office will

The salary will be that of Reader in the University

Applications, including a curriculum vitae and names of two teleress, and requests for further details, should no sent to the Master's Secretary, St. Cultiarine's College, Cambridge CB2 1RL.

Research

BIRMINGUAM

IIII. UNIVERSITY HEALTH SERVICES HESCARCH CENTRE

RUSCARCH ASSOCIATEZ RUMIAR/ATE ELLEGAV An experienced research waysder is required to Join a multider influctive term studenty
patient, unche depantiency,
nyelled washing after. This fraction,
project to supported by the
BHS and is tuding undertaken
in confunction with two
fregional Health Authorities.

The work concerns the development of methods of themsity in shadows of nurshing care, and includes designing appropriate studies, while the properties of the studies, while the shadows in the shadows in the shadows in the shadows of the shadows o

RESEAUCH ANSOCIATE.

Required to contribute to an S. R.P. Summers pretted and summers of pretted and interest of increased instabilities for instable and father and father and father and the pretted and the pretted by Program of the Original West and the Artificial West and Artificial Artificial Artifications of the Artificial Artificial Artificial Artificial Medical Medical Artificial Medical Medical Artificial Medical LONDON, W.1 SO SINCESTI ATOM DET MOTINGS JANEOUS SCHOOL OF HOUTAL SCHOOLS AND BUSINESS STUDIES

NORWICH

UNIVERSITY OF LAST

RESERVICE ASSOCIATE

PUSEARCH ASSISTANT IN THE HISTORY OF THE LABOUR MOVEMENT

Applications are invited from degrees and special interests in the History of the Labour Muvement and Industrial Roles in History Rurane and the U.S.A. Salbry 22,778 to the U.S.A. Salbry 22,778 to Africa the index 2022 London Africa the and superiorent of Select and superiorent of Select and superiorent to toronal approximation of application form the transfer of Select and Will Mark Office (Select and William Will Mark Office (Select and William William

VACANCY NOTICE

As from 20 March, 1978, the European University Institute has a vacancy for the post

PRINCIPAL

The European University Institute, set up under the Convention of April 19, 1972 hetween the Convention of April 19, 1972 Communities (IC OJ N° C29, February 9, 1976), bus its seat in Florence.

The Principal directs the Institute. We is respossible for its administration and represents it in law. He is chosen by the High Council from a list of three names proposed by the Academic Council.

The Principal's term of office is three years, which may be renewed once. The present incumbent may therefore be a candidate.

Purther details of salary and conditions of service may be obtained on application to the Secretary of the Institute.

Those interested are asked to submit their applications, with the usual supporting documents, to the undersigned by September 10, 1977 (date of postmark).

Marcello BUZZONETTI Secretary

European University Institute Via dei Roccettini, 5 I-50016 San Domenico di Fiesole



PLIDAY HOUSE WISE TUBLIC: ERVICE

ORANGE AGRICULTURAL COLLEGE ORANGE, NEW SOUTH WALES, AUSTRALIA

LECTURER IN FARM SECRETARIAL STUDIES

Once to the ordered College is a College of Advanced Education leaded in the control went of New South Wales. The College currontly offers two full time course (see in Associate Diploma or Farm Management) and an Associate Diploma in Farm Secretarial Studies Both courses are of two years duration and the current employed is 160. THE POSITION:

THE POSITION:
The College is seaking a lecturer what will display the initiative and motivation required to develop the presentations of the Farm Secretarial course curriculum. The course commenced in 1977 and particular compliances will be placed initially on course development. The successful applicant should have, or be prepared to acquire, sufficient knowledge of agriculture to ensure that an apricultural emphasis is placed on the above subject areas.

QUALIFICATIONS:
It is anticipated that the succession applicant will hold
a degree or diploma in a relevant discipline and experionce in the teaching of typing and secretarial practices
is considered essential. Provious employment in a rural
industry environment would be destrable. Qualifications
and experience will determine the level of appointment.

mone. SALARY: LECTURER—Lavel | \$A16,809-\$A18,884 Lovel II \$A14,346-\$A10,420 Lovel III \$A12,346-\$A14,162

Subject to certain conditions, the suscessful applicant will be digital for:—

1. Payment of faces to Orange.

2. Financial assistance lowards the cost of renoval

Rented housing on campus is available, during the first your of service. APPLICATIONS to:—
Mr. 1. J. Croft,
C/- N.3.W. Government Offices,

LONDON, WC2N 5LZ.

APPLICATIONS close: - 10th August, 1977.

TORRENS COLLEGE

Turrena College of Advanced Education is a multi-discipline College consisting of five Solicela

LECTURER IN THE TEACHING OF

ENGLISH AS A SECOND LANGUAGE Applicants should hold appropriate qualifications in Linguistics, the Topulation of English as a Second Language and Language Acquisition Experience in leaching Aboriginals and migrants and a sociolinguistic knowledge of Australian English would be

Safery . Leolurne, \$12.148-\$18,606 (3 ramins)

Applications stating nume, age address, qualifications, experi-unce, present position and relary, nature and level of position applied for, together with the manus and addressus of three

The Academic Secretary, Torrons College of Advantagiorous Tood, UtiDERDALE, S.A. 5032.

RESEARCH ASSOCIATE

East-West Center Recent has a series of the Culture Learning Institute to assist, as a fear mountain in the English as an International Auditory Language activity. A PND or equivalent in the field of English as a Second Language, coolollaguation, paychollaguation or applications in at local two of three press: English as the international auxiliary language; that and second language learning it the relation of language to culture. "Transhing experience working with professional education of language to culture." "Transhing experience working with professional education of language to culture. "Transhing experience working with professional education of language. At the deadlate level, "At least two years appearing working with professional education of Pacific Country, for at least two years and fined country for all least two years and three excellent cummand of English.

Analy by September 30, 1977, to Esci-West Conter, Personnal Division, Dopt. 208, 1777 Esci-West Road, Honelluli, Hawell 88848.

An Equal Opportunity Employer M/F.

.

Research Associate **East-West Center**

Research associate in the Culture Learning institute to engage in team research in the transculture/transmissional education project. Required: Ph.O. or equivalent in education (epocifically curricultum design and development), educational enthropology, or discity curricultum folialed field: publications in cross-optural education; lesching experience; extensive experience in phunding, organizing and conducting workshops and training seminate involving individuals from different cultural modernungs, participation as a team, member in a collaborative project that developed and produced educational muterials. Apply by September 15, 1978, to Eepi-West Center, Personnel Division, Dept. 208, 1777 Fast-West Road, Henolulu, Hawaii 9848.

An Equal Opportunity Employer MIF

Teachers are needed to teach English for Science Technology this September

at Arya Məhr University of Technology, Isfahan, Iran.

Native English-speakers are required. MA in TUFL/TESL with teaching experience is preferred. Offer includes two-year contract, competitive salary round-tup revol to islation from abroad, and housing allowance. Send re-

Dr Greig Strick, Intonsive Language Center, Arya Mehr University of Technology, PO Box 3406, Tefran, Iran.

AUSTRALIA

Variables and the respective of 123 class of 124 class of

IRAN

Technique—Adolptic 136 - 130 -

Details from Secretary, South Australia House, a) Strand, London W. 2N JAV.

Classified Advertisements

To advertise in The THES phone Lorraine Williams on 01-837 1234, Extn. 575.

> The Times Higher Education Supplement

New Printing House Square. P.O. Box 7,

Gray's Inn Road,

London WC1X 8EZ.